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<210> 8104  
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<212> DNA  
<213> Homo sapiens

<400> 8104  
accacacatt ggtaaaatat tcagggggaac ttggtttaaa agtttatgct 50

<210> 8105  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 8105  
gtcaaataag gttgttcttt ccttgaagga cagcacccat gccacagcac 50

<210> 8106  
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<212> DNA  
<213> Homo sapiens

<400> 8106  
ctggaaaaac atcacatggt tgagtcaagg atgaaaagtc aaaactacct 50

<210> 8107  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 8107  
atccatccaa taaacacagc aacaccctat gctactgacc aagcaaagct 50

<210> 8108  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 8108  
tagttagagt ccaagacatg gttcctcccc ctttgtctgt acatcctggc 50

<210> 8109  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 8109  
cagcctgcct gcttgccatt tttcttcccc ttccatTTTT ctaacctcag 50

<210> 8110  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 8110  
acttcctccc cctcccccta gcattactta tatgatatgt ttccataccc 50

<210> 8111  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 8111  
aaggaatttg ttttccctat cctaactcag taacagaggg tttactccga 50

<210> 8112  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 8112  
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<210> 8113  
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<212> DNA  
<213> Homo sapiens

<400> 8113  
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<210> 8114  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 8114  
aaaaacgggt tatgggggta gggaaacagg ccgaaaagaa cgtggagaaa 50

<210> 8115  
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<212> DNA  
<213> Homo sapiens

<400> 8115  
ggggactcag gccccgctg ggggtccac atagggtttt tatccaaaaa 50

<210> 8116  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 8116  
tgttggtgga tacgtactta actggtatgc atcccatgtc tttgggtact 50

<210> 8117  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 8117  
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<210> 8118  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 8118  
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<210> 8119  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 8119  
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<210> 8120  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 8120  
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<210> 8121  
<211> 50  
<212> DNA

<213> Homo sapiens

<400> 8121

ttaagaatgt ggcagaaatg tatgctgagg tagccagtc aatccttatt

50

<210> 8122

<211> 50

<212> DNA

<213> Homo sapiens

<400> 8122

atcagtagca aaacaaaccc agcaacttct gtccagcatc tgctgtaggg

50

<210> 8123

<211> 50

<212> DNA

<213> Homo sapiens

<400> 8123

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50

<210> 8124

<211> 50

<212> DNA

<213> Homo sapiens

<400> 8124

gaacttggca gttgtagcag aggcagttga ggcttggtga ccataccat

50

<210> 8125

<211> 50

<212> DNA

<213> Homo sapiens

<400> 8125

cgctctctcc tgcacagcac caccaccaac agtctggatg attttaggca

50

<210> 8126

<211> 50

<212> DNA

<213> Homo sapiens

<400> 8126

ttttgggaag aaaaccctat gcactgaaa tacaattggc aatggaagct

50

<210> 8127

<211> 50

<212> DNA

<213> Homo sapiens

<400> 8127

ctctttgttg ctactcattt ctctccggcg tctgctgagg ggtaggtgtc

50

<210> 8128

<211> 50  
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<213> Homo sapiens

<400> 8128  
caacttcctc ttggttacc agaagaacag cagcaccgtg atccagagca 50

<210> 8129  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 8129  
ctgtacatct gcatcccagc aaagagcagc agggacagga gggaggagag 50

<210> 8130  
<211> 50  
<212> DNA  
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<400> 8130  
cacagacaga aggtttcgtt cctcattcga cagtggctca ttcagctctg 50

<210> 8131  
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<212> DNA  
<213> Homo sapiens

<400> 8131  
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<210> 8132  
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<212> DNA  
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<400> 8132  
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<210> 8133  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 8133  
cacataggaa tccttctgac ccatgccac catcacgcc tggcgctgg 50

<210> 8134  
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<212> DNA  
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<400> 8134  
aacaggaacc tttatctctt tgtgaggcga tttgcattct ccacacaggc 50



<210> 8135  
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<212> DNA  
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<400> 8135  
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<210> 8136  
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<212> DNA  
<213> Homo sapiens

<400> 8136  
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<210> 8137  
<211> 50  
<212> DNA  
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<400> 8137  
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<210> 8138  
<211> 50  
<212> DNA  
<213> Homo sapiens

<400> 8138  
ccctggttca ggaattaagg ggacagactt gaataagaaa caaaacaaaa 50

<210> 8139  
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<213> Homo sapiens

<400> 8139  
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<210> 8140  
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<213> Homo sapiens

<400> 8140  
gaacagcctc gtctttcccc gaatgccagg caggatgacg atgaacgtgg 50

<210> 8141  
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<212> DNA  
<213> Homo sapiens

<400> 8141

gacctccaga atttcctcat cgctgtcggg gaccaagtcc acagacacta 50

<210> 8142  
 <211> 50  
 <212> DNA  
 <213> Homo sapiens

<400> 8142  
 tcttgccatc ctatggaact gcctcgggta gttttctcct tcattacaga 50

<210> 8143  
 <211> 50  
 <212> DNA  
 <213> Homo sapiens

<400> 8143  
 tgttactcct tcaagcccct gaatcactat agccacgact ctccaactga 50

<210> 8144  
 <211> 290  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)..(290)  
 <223> N=A,T,C, or G

<400> 8144  
 agtcaaccta ccaaagacca tacctgacac ctaggctctc tcaccaatg gaatagactc 60  
 taatgggtgat acataccaat aangggaaat ctagtgggtg taaactgttt atgectcatt 120  
 ctatgaaagc tgaaagattg ctgttagctg tatgatgtat aatgctaate gcgatanggg 180  
 tacattgtct tctacagact cctacatatg tatgattatc acagtatgat gccagatact 240  
 aacattcata ttgaacaaat ggctggcgtg ggtagatgtc aagagaacat 290

<210> 8145  
 <211> 386  
 <212> DNA  
 <213> Homo sapiens

<400> 8145  
 ggcagggtgga gaacacaaac gagtgagagc tgactgtagt cgaagatcat acaaggaaag 60  
 gtaagaaggc ctgcaagctg tgaattagac ataatacatt attaattata ggatgtaaca 120  
 ttatgtatat ggggaatata tatctaaact tatttatcaa tatttaatat tatatatatg 180  
 gggatatgtg atgtaaagc atatatatta tatatatgta ttattaataa cttttgtgtt 240  
 atgagactga atatctataa atatatgttt tattaataat tactatatgc tgtgtaagta 300  
 tcacgttata ttttgtgtgc tgactaagta agcaacgcta tgtagataca aagagttgtg 360

tgatggagtc cactggtgat acaacg 386

<210> 8146  
 <211> 354  
 <212> DNA  
 <213> Homo sapiens

<400> 8146  
 cgagtacaag cttttttttt ttattttatt tcttggtctg gctatgatga caaactgggt 60  
 agtatatgat atatataacg tagagaagag taacatatag acacaaaaaa tatatatgag 120  
 tcatgtatta actagaaatg cacataagat aaaatggcct attgaatcat gtttttatta 180  
 tagatatatt acaaaatggc attgaaggaa acctacttat ttttcaatat gagaacaaca 240  
 gaaggctttt atgtatcacg aaaataacaa tatatctgat tttataattt ataatttaca 300  
 ttacataagc tgagaactac acaataaaaa ctcaccaata ttgaatatta tata 354

<210> 8147  
 <211> 226  
 <212> DNA  
 <213> Homo sapiens

<400> 8147  
 atctcgaagg caactcgcat gcacactagc aacatatata aacaatctta tattagactg 60  
 taaatggaaa ctgtaaagtg attagcttga atcttttgtg cgaaagattt gtaacagaca 120  
 atcgggtgaa atcacctcgc gcatgttatg gagagattgt gacgttcagg acaaaacgag 180  
 taacagactg atcttctgtt tgatactacg accaggactc caggac 226

<210> 8148  
 <211> 530  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)..(530)  
 <223> N=A,T,C, or G

<400> 8148  
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 atatatagac tacacaaaaa catatgggaa aaatgtactg atgctaagat aatattgttg 120  
 atatcatatt gtagaaacta taactttaaa ccaatagttg tgagcataaa tgttacagtg 180  
 atattgtgtg taatatatag tacatgtaaa aatgaaacta aatttatata taattgtata 240  
 tatgacatca acaatgtaat tgatattctt gctgttatca caacactcga aattaatgaa 300  
 tgctacagac atggattaaa aagactangc tctctaaaga gataaagaat attacttaaa 360

gcacatatta ttatgtgtaa tacactatta gaagattaga tctaaactat acaacacana 420  
 acgtacttct tttcatcatc ctctgctaca aactattgcc ctctcaaaa tatagacgat 480  
 tgctaaaaga gtctgagcga tgatgccatc aatgaacaaa cgttttgagt 530

<210> 8149  
 <211> 514  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)..(514)  
 <223> N = A, T, C, or G

<400> 8149  
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 taaaaaaata agaacatttct gcaactgtag aaatgacccc attatatatt ttctgaaaaat 120  
 gaaaacagtt acatgaaaaa aatgaccaat gaacatgtca tcatttgatg aaaaaccaga 180  
 agttattaga tgagagcagc gagtgaatct ttaaaacaga cttgatcacg cacactcaat 240  
 aagtaatatc tctccgaaac cggatgtcat tctatatctg ttagaaataa tgcatcaaaa 300  
 agaaagtaaa ttagaggata tttttgcaa tagtttatac aaaatatatg aaccaaagag 360  
 attggaattt gtaaaaatgt aaaatagtat gaacaatatt tgcactctac catatttgaa 420  
 catctnnatg agttcacatt catactaggt tatcaacatt gcgttctttt tgcattcatt 480  
 ctttactggt attaaaagtt caaaaccaat ataa 514

<210> 8150  
 <211> 170  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)..(170)  
 <223> N = A, T, C or G

<400> 8150  
 ccactattat gggatttggt ttagtcatt atggattctg gatattcaan catttacaat 60  
 gtagcatatt tgattttctt ttttctttct tttttggca tcattaacat ttcatttgaa 120  
 atgcatattg ttcttgaagt acctcggccg cgaccacgct aatcactagt 170

<210> 8151  
 <211> 162  
 <212> DNA

<213> Homo sapiens

<400> 8151

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aggcgacagg gaatggcaag tttctgaagt cggcatagct tagttgttgc atccagcaga      60
gagacagcac agggagcagc ctacgcagga agattacaac agaggaataa cacagaatac      120
aatctgggat ggataatagt gaatggcatc cactagatga tt                          162
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<210> 8152

<211> 498

<212> DNA

<213> Homo sapiens

<400> 8152

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cagtcttttt tttttttttt tttttttttt ttttgggttt ggaaccttta ataaaaataa      60
aaaaggaatg caaaaagaac acaatgttga aaacttaata tgaatgtgaa cctcactaga      120
tgttcaaate tgggagagtg caaattttgg tcatactatt ttacattttt acaaactcaa      180
atcacttttg ttcatatatt ttctataaac tattggcaaa aaaatcctca aattttacatt      240
cttttggtta cattattttt aacagatata gatttacttc cgggttcgga gagaaagact      300
tattgtgtgt gcgtgaacaa gtctggttta aagattcact cgctgctttc atctaataac      360
ttctggtttt tcataaaatg gtgacatctt cattggaaat ttttttcatg ttactggttt      420
cattttcaga aaaattataa ggggggggatt ccaaaggcca gaaagatcct atttttttta      480
aaaaaaaaaa ttctggta                                              498
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<210> 8153

<211> 194

<212> DNA

<213> Homo sapiens

<400> 8153

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actattaagt tctttcacaa aataatcatc ttatatcaac acagtaccaa tctaagtgtc      60
cgcaggaggg ttactttaac atctccctcc tgtgtttact ccaatgtttc tccctttagg      120
tatggctctg gtaaatcggg ttatggatgc atctgtccac accacgctcg cagcatgtca      180
ctctgcgcac taag                                              194
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<210> 8154

<211> 178

<212> DNA

<213> Homo sapiens

<400> 8154

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gtgcgctggc tatggacacg taaaggaatt gccacatggg ggacattgat tgcaaattgt      60
tgaggggatg gaaaggatgt tggacgttct ggtgaaaagc tggaagatgg ccctaaattc      120
ttgaagtact ggtgaagctg tcattgtcga tttgggtggg ggatagcttc tgtacgtg      178
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<210> 8155  
 <211> 450  
 <212> DNA  
 <213> Homo sapiens

<400> 8155  
 caactattat actattctct tctgctttca ttctgatgtg gtctgtaata gcaaaataca 60  
 tgacttattt gtgtggatgg caaaacaaaa ggtgtgtgtt ggatgggtctg cttatcagtg 120  
 gatgatacaa cagtcaagca aaacctcgcg gccctaacc aaatcgatg aatctttgga 180  
 acttgaaaga caatctggcc tgtatgaatg ggcaaacagc gaccatcatt cgaaatgaaa 240  
 ctggtaggca gtcacatttg acattcatga tcttctactgg ctactcgtcc agactcaaaa 300  
 cgctggtgac tgttaacagt gtcaggtttt aaccaagcgg aattccatta aatatttgcc 360  
 ccaatgctct ggaaactggg agagaatctt tgcactgtga tagctgctac actgtgcgcc 420  
 tgaacacagc gccattgggtg gtaccccccg 450

<210> 8156  
 <211> 178  
 <212> DNA  
 <213> Homo sapiens

<400> 8156  
 tatcatatac ataaaacaga tggctgggga ggaaggaaga caaacaagaa tgactcagct 60  
 ggatggacat acacttaatg catgatcaat catcaatctg tctgttatac attagttggg 120  
 gagtgggatg tccatacatt aactattgaa tgaaaggtaa gttatttaaat atatttat 178

<210> 8157  
 <211> 226  
 <212> DNA  
 <213> Homo sapiens

<400> 8157  
 tttttttttt ttttttttgg ttttgaacct ttaataaaaag taaaaaatga atgcaaaaag 60  
 aacacaatgt tgaaaactta atatgaatgt gaacctcact agatgttcaa atctgggaga 120  
 gtgcaaattt tgttcact attttacatt ttttaciaaac tcaaatcact ttggttcata 180  
 tattttctat taactattgg caaaaaaatc ctcaaactct cattcc 226

<210> 8158  
 <211> 530  
 <212> DNA  
 <213> Homo sapiens

<400> 8158  
 tactgactat ggaaacatga atatatgtaa gggccattca tgatatatga atgagaagag 60

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taagctttca tatggaaaaa cacaatcatt caaaaaatga atgacatgct gatgtatagc 120
aacacgcatac ataaaatgaa gagtatatca ataacatatc tatgcttaga taagtactac 180
cttctgtgta ttatagaaca ataagtgtgc attggttgta ctttgcaact aacgcacggg 240
tatcatgggt atgcacccat catgatggag tctggattac catcttgctt ttggataaaa 300
cagatctatt tggggcatct acataggatt aatagagaga gaaagaggat atatgattca 360
taaatacatat atgctctgat caaatgcaag catcattaaa aaacatatgc tatctataac 420
tactcatcag attgctgtga tctatacact ctctccacat attaatactg tgaaacttca 480
actatagcac attactctgg atatgcaaag ttagcacggg aggacatgaa 530

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&lt;210&gt; 8159

&lt;211&gt; 578

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 8159

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agcattttaat ccaaacaggg gttcttagcc tcagcactat gacattttgg gctgactact 60
tatttgtag gcgaggagctc tctgtgcat ttaggataa ttagcagtat ccctgggtggc 120
tacccaatag acgccagtag caccocgaat tgacaacca aactctccag acatcaccaa 180
ctgtccctg cgaggagaaa tctctctgg gggagaacca ctgacccaaa tgaattctaa 240
accaatcaaa tgtctgggaa gccctccaag aaaaaaaaaat agaaaaagca cttgaagaat 300
attcccaata ttcccgtca gcagtatcaa ggctgacttg tgttcatgtg gagtcattat 360
aaattctata aatcaattat tccccttgg tcttaaaaaat atatttactc ataaacattt 420
gtgttttggt gaaaagatgg agtttacaaa gataccattc ttgagtcag gatttctctg 480
gtcacagaat ggtgtggcat ttggaaacgg gaataaacia aattgctgca tcaatgcact 540
gagtgaagga agagagacag aggatgaagg gttttaga 578

```

&lt;210&gt; 8160

&lt;211&gt; 530

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 8160

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ggtaggtag tatgtgagt aaataaatgg atggaattag tgatatgaat aattgaagtt 60
tgagaagtag aatggatggg cgtgttgtga ttattagtaa aataagatag aagaatgttg 120
taagaattat atggatggat atgatatgta ggttattatt gtaatttata cttttatgaa 180
ttgtgaataa ggaaatatat tctatataga ttaggagtga aagaatcagg tttataaagt 240
gaaataatta aatagaatgc agaatgaag agaaagggat attgtgtaac atattattgg 300
aagaataatt aaaatattta atatgtgtta taaaagtga gataaaagtg tatttttatg 360

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aacagaattg ttatgaaata ttattttttac attaaattaa aagtgtattg agtgaatatg 420  
 ttaaggaata tttattggaa atattagagt taggtacaat tgaagaaatg tgtgaatgaa 480  
 gaagaggaag tgattactgg gtgaaattat agtgaattgg aaataattga 530

<210> 8161  
 <211> 693  
 <212> DNA  
 <213> Homo sapiens

<400> 8161  
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 aggatgggtg gtaggatatc taggactgag acggagactt gacctccacg atgcaacatc 120  
 caatgagtat gctatgtgag aaaaatgaga gattaacgag ctaaatagcag tgtgtatgat 180  
 gtgtgagaac atcacagatg gatgatcgca caagaggcat ttgcatgata tgatcgcttc 240  
 atagatggaa taatcgaact ggtgaatatg tatgagctgt gatgaatgtt gctgcagaat 300  
 ccatctgttg aacctatgat atgcaatgtg tgaggaggct agatgaatgg atcatatcat 360  
 gatgatgtta acaatgttgg gtgagattgc tatggtgaca aatcatgtgg atgtatacag 420  
 gaatatttct ggttgctgcg gttgacaacc atgggggatc agacaagaga agtagtagag 480  
 agtgatgttg acatcgatgg gggatacgct tataaatgat gaagtggatg acgtgtgcat 540  
 gtggagcgta tacgatagtt actaacgagt ttggagcata gtgtgagtat tatatattgt 600  
 caagttaata acgtgggtgga tgcattgtta tagttgttta ttgtgtgaaa ttgatatctg 660  
 gttataatta tggtcataat ttgtatcctg taa 693

<210> 8162  
 <211> 194  
 <212> DNA  
 <213> Homo sapiens

<400> 8162  
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 agaaagagga ggtatgtgga taggagtaaa taatgtgatt ggtttatttg gtgaaatatt 120  
 atgttttgtt gtttggatat atggaggatg gtgatttttag tttggataat agagggtata 180  
 taaatgcaat ggaa 194

<210> 8163  
 <211> 466  
 <212> DNA  
 <213> Homo sapiens

<400> 8163  
 cagcatttaa tccaaacagg ggttcttagt ctcagcacta tgacattttg ggctgactac 60



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ttattttgtta ggcgggagct ctctgtgca ttgtaggata attagcagta tccctggtgg 120
ctacccaata gacgccagta gcaccccgaa ttgacaaccc aaactctcca gacatcacca 180
actgtcccct gcgaggagaa atcactcctg ggggagaacc actgacccaa atgaattcta 240
aaccaatcaa atgtctggga agccctccaa gaaaaaaaaat agaaaagcac ttgaagaata 300
ttcccaatat tcccggtcag cagtatcaag gctgacttgt gttcatgtgg agtcattata 360
aattctataa atcaattatt ccccttcggt cttaaaaata tatttcctca taaacatttg 420
aagtttggtg aaaagatgga ggttacaaag ataccattct tgaagc 466

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<210> 8164
<211> 672
<212> DNA
<213> Homo sapiens

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```

<400> 8164
cccttaagat tctggacctc ttagaaggaa ggctcatcta tacacttcaa ggacatacgg 60
gacctgtctt tactgtttca ttttcaaaag gtggagagct atttgcacaa ggaggtgcag 120
acacacaggt cttattatgg aggactaact ttgatgaatt gcattgtaaa ggtcttacca 180
aaagaaatct caaaagatta cattttgatt caccaccaca tcttcttgat atctacccaa 240
gaacaccaca tccccatgag gaaaaagttg agactgtaga aattaatcca aagcttgagg 300
taatcgattt gcagatctct actccccctg ttatggatat cctttctttt gattctacca 360
caacaacaga aaccagtggg aggactctgc cagacaaggg tgaagaggcc tgtggatatt 420
tcttgaaccc ttccttaatg tcaccagaat gtttgccaac aaccacgaaa aagaaaacag 480
aagacatgag tgacctcccc tgtgaaagtc aaaggagcat acctctcgct gtgactgatg 540
ctttagagca tattatggaa caactcaatg ttttgacaca gactgtttca atcttgagc 600
agcgactgac tttgacagaa gataagctga aagactgcct tgaaaatcag caaaagcttt 660
tagtgctgtc ca 672

```

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<210> 8165
<211> 514
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)..(514)
<223> N = A, T, C, or G

```

```

<400> 8165
ggcttgggct gctggggcag gggcaactgg aggcaagcgg aaaacgacga ttagttcttt 60

```

```

atgtatgata ataaattaat attaatacat atanatatat agatattatg taaatgttac      120
tatgataatg gttatcgttt atacgttatc gtaatatcat aagattttta tacaaaaatca    180
aaatacgaag actactaaca tgaggatgga gaaggaaaaa agtttctgaa tcttgaccgt      240
ggctgaggcg gagacgattc ttggacttgg agctgtatct gtatgtaa at gaaacatagag     300
gaatacgcact acagaacctt ataccaatac caggacaatg gctctgcatt taaatgatag     360
tgactgtgac tgaatacagt ttaagttaat tggtgtaggt gattgtgatt atattaatgc     420
gatagcgtat attgagatga agatctaagt gattgtgaac acttgacctt gatgtccctg     480
gacacagtcg attagcgtca tttctaggtc acgc                                  514

```

```

<210> 8166
<211> 402
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)..(402)
<223> N= A, C, G, or T

```

```

<400> 8166
ggtactgtga aaccaccaac ttcagttgcc tcagactcca gtaatacaac ggtcaccacc      60
atgaaacctt cagcggcatc taatacaaca acaccaggga tggctctaac aaatatgact     120
tctaccacct taaagtctac acccaaaaca acaagtgttt cacagaacac atctcagata     180
tcaacatcca caatgaccgt aaccacaat agttcagtga catctgctgc ttcacagta      240
acaatcacia caactatgca ttctgaagca aagaaaggat caaaatttga tactgngagc     300
tttgttggtg gtattgtatt aacgctggga gttttatcta ttctttacat tggatgcaaa     360
aagtattact cagaagaagc attcgtatcg aaccataaat ga                          402

```

```

<210> 8167
<211> 322
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)..(322)
<223> N= A, T, C, or G

```

```

<400> 8167
ttctccctta aggacttttg caagaataac aagttcattg gaatttgact ttctgacata      60
gagcagacag ccttgccctg tcatgccagg cctttcatgt gaagttacca tttattagct     120
gcttctgtct ctccnaggga agatttccct tttataagcc tgggcccagg ggatgatagt     180

```

aagattcccc atgtgatacc agagttggaa taagctgtag tgagattang gccaggactg 240  
 tcccattttg attccttgaat ggtttctgtt acaacttgtc atgggggaaa aagtaacact 300  
 tatttttttt ttcctccctt aa 322

<210> 8168  
 <211> 290  
 <212> DNA  
 <213> Homo sapiens

<400> 8168  
 tactatgata tgtgaatgga aaagtaggca gctgatgact caaattaaga attttaatta 60  
 cattgactcc aagtctgata ttctgatgag tgtcatatag cacttaatgt ctgcttcata 120  
 taatactacc acttattaga tatatataga ctcaagagca ttaacaaaag tagagaaaga 180  
 gtgagtcatt atatacctat gagtaaaata tgaaaatgac tatatgtgtc tgtctgtgtc 240  
 ttgttatcgg tgatgcaa atgttaattct tgatggaagc tgcgcacgtg 290

<210> 8169  
 <211> 242  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)..(242)  
 <223> N = A, T, C, or G

<400> 8169  
 cggtggtnc a tcgcttgntg gtgtggttct tatnattaac nccattgtgt atacaggttt 60  
 ccagtccctt ggggtacagt agtggttggc cagatgggta tgtaagtatt tggagtcagg 120  
 tgtataatgg attttcgggt gatatggatg taaagaaaag ctttccttgt tcaccoggac 180  
 ttgaaatcgt ggagttttaa tagcagatct tcagcaggtg agagaatcac agctgcattc 240  
 ca 242

<210> 8170  
 <211> 178  
 <212> DNA  
 <213> Homo sapiens

<400> 8170  
 ctgtcgagaa tggaggattc ttacgtggac atgagttgca ttgttctttg atgctgtagg 60  
 cttattaaaa gtatgtagtg actagtttcc aggcacttgg aatctgtgtt cctatggttg 120  
 gcggcatagc agctagcatt tttgatcacc atacagcagg gcttcgggta gtcgcgat 178

<210> 8171  
 <211> 242  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)..(242)  
 <223> N = A, T, C, or G

<400> 8171  
 ccagnaggtt atccctgtac ctgccctggt gattggccag cgaatcaggt ctaaccagca 60  
 caactcccac ctggaccagc cgaaccagct ctgagcatga gttggggtcag atctgaaaca 120  
 tcccctgcat aaccccagca agctacctcc cctgctaatt atggatgctc atctcctgca 180  
 agcatcaacc gcattggcag aagcagcaaa cccacttcct ccttgcttag catggaccat 240  
 gg 242

<210> 8172  
 <211> 722  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)..(722)  
 <223> n = A, T, C or G

<400> 8172  
 gggaccggga ggtgacttag tgctgatact ggcaattggn aaagatgagg gacgnctgct 60  
 tgcactccag catgcggcca tttttaatta cattgtttcc caagtatgca tattctgnac 120  
 atgtctatag cacttagtgt ctgcttcata taaactacca gttattatat atttatgatg 180  
 caagtagttt tccaaatgtg gtgaaagtct gagtcttttt atcccatgg gtaaaatctg 240  
 aatctggctc tctgtgtctc tctgtgcttg tttattgctg gtcagagagt caattcttga 300  
 taaaagctgt tgacttggct ctcacagttt atgcagacat tggagagacg atctgggtat 360  
 ttcaaacatc acaggatctg agtaagaaga cctgggttatg aaacaaggct ctcataatta 420  
 ctagctatga ctgttgacaa gttacctttt cttgtttaca agttatttgg cctctttgaa 480  
 ttacttgtaa aatagagata gggattcttt cttgatcatg gaacatcaaa tgaagttatt 540  
 tgatgaaata ctttgttatc tggaaattat aaatatcact tcatgtttat tattatttgg 600  
 aatttgggct tctcatggtg gcattttcta tggtcatttt tttcttttct tgcataatgg 660  
 ctataaagtt agttagacat gcaaacaaat gccctaagtg ggaaattttg aatagggttag 720  
 gg 722

<210> 8173  
 <211> 242  
 <212> DNA  
 <213> Homo sapiens

<400> 8173  
 ttgtttgcag agtcctcaaa tgtatcacag aaaacagttg ctgtggaaac ttatagtga 60  
 ccctactgac gcacaagcat taagaagtcc acttgctgca tactgtaagg agaacttgct 120  
 gcatttgga aatgctgctt aaggcaacac acattacctt tgtgacaggg ctctgtccac 180  
 tggggtgggc tgatgcaatc tatacagaat gcacatgctg cctttttttt ttcttttttt 240  
 gc 242

<210> 8174  
 <211> 194  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)..(194)  
 <223> n = A, T, C or G

<400> 8174  
 agcacgtaac ccatccgatc cccaagatt aaggaaaaag agtgggagag caaatggaag 60  
 aagcccctgc taacgggatg ctaatgagaa atggggagca ggaggctgac aatgaggtag 120  
 acgaagaaga ggaagaaggt ggggaggaag aggaggagga agaagaaggn gaaggtagg 180  
 gggggggggg cggg 194

<210> 8175  
 <211> 354  
 <212> DNA  
 <213> Homo sapiens

<400> 8175  
 tttttttttt tttttttttt tttttgggct tccaattat tttaatgaag ggattgggag 60  
 gaggacatac aaaacggcca gatacacagg gtagcagggg cttgataatg agataatttt 120  
 cccccacgtg ttgggaaaaa aaatactatg tattttttta tgaacactat taacaaaaaa 180  
 taaaccact cacaacattt tggagggact aaaggccaag agaaaccaat ggagaatcat 240  
 tatttggggg atgggggggg gagtttctgg ggggcagggg gggatgtgga caggcagggg 300  
 ggggtggagg aaccttgctt ctggcgggaa tgggaaggag ggacaaggaa caaa 354

<210> 8176  
 <211> 603  
 <212> DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 8176

```

ccccaaataa ctttcttatt gctctgaaag aagaaaagca atgtaaatca ctatgattat      60
tgcacaaaca accagaattc tccaacaatt ttaagtaatc tgatcctctt cttggagaaa      120
attgttacct aatagttttt ccttatgaat gttattacta ctgggtataaa tcaaatttct      180
ataaatttcc tacttaagtc ttaagaactg ggttcttcct ttgatgttat tcatgttcag      240
aaaggaaaca acacttttact cttttaggac aattcctaga atctatagta gtatcaggat      300
atattttgct ttaaaatata ttttggttat tttgaataca gacattggct ccaaatttct      360
atctttgcac aatagtatga cttttcacta gaacttctca acatttgga actttgcaaa      420
tatgagcatc atatgtgtta aggctgtatc atttaatgct atgagataca ttgttttctc      480
cctatgccaa acaggtgaac aaacgtagtt gttttttact gatactaaat gttggctacc      540
tgtgatttta tagtatgcac atgtcagaaa aaggcaagac aaatggcctc ttgggtccccg      600
ccg                                          603

```

&lt;210&gt; 8177

&lt;211&gt; 354

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 8177

```

ttattttatt tatttggat tatgtttttt tatttttttt ttttttgta tttttttttt      60
tttttgtttt tttttttttt tttttttttt gttttttttt tttttttttt tgtttttggg      120
gggggggaata ggagaggggg ggggaggggg ggggtgatgaa ggggggggga aaagaggatt      180
tataatataa aaaaaggggg aattaaaggg ggggagagaa gttaatgaaa aggaggaaaa      240
aaaaggatat attaataaaa aaaaattgga aaaaaggggg agttttttat taagaggggg      300
gtatatatttg gggggaaaaa aatatggggg gggggaaaaa aataatagtt tggg          354

```

&lt;210&gt; 8178

&lt;211&gt; 352

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 8178

```

acggattgaa ttgactgatg catgctcaca tatgtctaaa aacaatctgt ctgcaataac      60
atgtcatgaa tgtgtgactg actggtctgt ccttgtgcga gctactacct gctgcctgct      120
atcaatctct ctaacaacgg gtggacacac acccaccgac tgctggttgt cttacacaga      180
gaggaaggat ccttgcaact atctgggaga ttaatatgta accagcaacc tgtgtttgca      240
gccagctgtg ggaggtcaaa caaacaaaag catgcaagca tgtgcggact gaaccgagtg      300

```

atgcgtgcga gagtacctgc ctgggcggac ggtcgcactc tcttactatt ga 352

<210> 8179  
 <211> 464  
 <212> DNA  
 <213> Homo sapiens

<400> 8179  
 gctttttttt tttttttttt tttttttttt tttttttttt tttaaaaaac taaggaaatt 60  
 aattgggttc agggaaaaaa ccggaaaaaa tgggtgaaaa aagtggtaaa aaaagggttaa 120  
 cttaaaaaat acaaaaaata ccttggggta aaattttgga aggggggggt atttaaaaaa 180  
 aacggaaaaa aaaccaaaac ctaaaatatt gggaaaacaa aatattaact tttttttttt 240  
 ttttaataaag ggggggggatt gtttttggaa taaattaacc aaaaaaataa aggtaccctt 300  
 ggttttttta agggaaaatt ttttatttta atcaaaccct aaaaaaacct tggtaagggtt 360  
 ttatccatt ttaagggggg aaaaaaaggg ctaaaagggg gaagggaaaa tccttggtgg 420  
 gcaaaacgga ttatgggggc aaggtaattg aaatggaccc caaa 464

<210> 8180  
 <211> 448  
 <212> DNA  
 <213> Homo sapiens

<400> 8180  
 tacagttacc attgtacaat ttatgaacac atggattacc ttatgacaaa gcattatata 60  
 caccactgta ctagatgatg aagtgctaac cactcacatc actagcatgc cttctattta 120  
 tccaaatatt taaagggtgat atttattgtc gaatgggtgg ggtgggtacca atgggtctcta 180  
 gtatggtttag tgtgaaaact ataaatatgg atctttcagt gagctattag tgagcaccta 240  
 ggggctataa gatggtttca cttattaatc acaaaatatt cattattatg gtgaatgtta 300  
 gatatactct ctatgtaaat tggttagtaa aacgagttag aagatatgat gaatacaaaa 360  
 aaaataaaaa cagacatgca tgggcggtgg aggccatgat ctttaaggaaa aaaatgttgt 420  
 gtgagtcgtg tataacatta aatgaatc 448

<210> 8181  
 <211> 576  
 <212> DNA  
 <213> Homo sapiens

<400> 8181  
 caagtaaggg gttgtacggg gctgcgaggt cgaatagcat accaatattg gttgatctgt 60  
 ctgcaacatt agaaatatgg agatatatac tatttatata tatttaacat taaatatatg 120  
 gggaatatat ctttagactc atgaaaaaga ataatgtatt attatatgca tcatttgtga 180

tatgatatat gactgtgaca tgaatatatg aattatttgt aatctgtata accagtgact 240  
gctctgcgaa tatcactggg ttatcgactg ggccagctag gctatgagac tacgcaggat 300  
catatggggg gcgcgctatg caaccagccg aaacaagaac cactggagaa gtgaggtgat 360  
actactcgat gactcgacga acagctatat gtgaggcgat agtatccagt gcactgacgg 420  
cttgacaata tgcacgcgaa tgtgtccagt gctccaaggg catgacataa cataaccaga 480  
aagtgtcagg cgggcgcgta gaaaacatgc cgacaaatga gactgcacgc gtgcggcttc 540  
aaaaattgct gacaactgtg accgctacct gccggg 576

<210> 8182  
<211> 160  
<212> DNA  
<213> Homo sapiens

<400> 8182  
gacagggggg gggggggggg cggggggggg gggggggggg gggggggggg gacgggcaga 60  
ggggacctat tggatgcaaa aaagaatatc tatataaaaa aaatatagtt gtttttttgt 120  
ggtttagaac caccagtaac aatgaaaaag tattcaataa 160

<210> 8183  
<211> 208  
<212> DNA  
<213> Homo sapiens

<400> 8183  
cagttgtcaa caatatttgg taagcaacca gacatgtaaa tcttctgtag atgctttgtt 60  
tttcattatg gtgcacctgt acacatttca agttctgttc tgacatgtcc attattatca 120  
ctgtgctctt tattgtcaag catatttttt ttaccggtc tgtaaactgg gatagttatc 180  
actttctctt tttttatttg tttatttg 208

<210> 8184  
<211> 160  
<212> DNA  
<213> Homo sapiens

<400> 8184  
gaagtcttgt gttttactaa tgggaaaaaa aaatacagaa aaaagttttg ttactcatgg 60  
ctgccccacc gccagcctgg gccctaaaaa cagcccagcg cctcacttct ggcttgggag 120  
aaatatttct ttgctccttt tgggaattca tggcttgatg 160

<210> 8185  
<211> 160  
<212> DNA  
<213> Homo sapiens



<400> 8185  
gaggtcctgc aaaccatctc aagaccaaaa taagcgaccc ggcctatgtc cccctgttat 60  
tggtgattgac ccacacggcc tctacattgg catgcctagt ttgcttgca tctggaaaga 120  
aaaagaattg aatcgcacgt ttctgggtaa aaaagctggg 160

<210> 8186  
<211> 528  
<212> DNA  
<213> Homo sapiens

<400> 8186  
tttttttttt tttttttttt tttttttttt ttttttttta aaattaaaaa ggaattat 60  
tttttattgc cgggttttat taaaggggga ttttaaatta attcattgga gggggtaaag 120  
gaaatggagt ggggtgggtgg gaaaaggcag gggggccaaa aattattacc cattaataatt 180  
aaaagtgggt tgggtgattg gtgggggtct ggtgggttgg gttgggtttt tgtttttttg 240  
gggggtgggt ttctgggtct tgttcttgac cactttttta accattgggg ttgggggata 300  
agaaaaaatt ttaggcaag gttgggtatt aaaaccacaa aaattttggg gggaggaaaa 360  
ttaaatat tgttttaaag gagctttcgg ggaggggggg ggtttgggtt ttgttaccgg 420  
gaggtggggg ggtagggggg ttaacacggg tctttttatt ggaaatttaa ttctcttaaa 480  
ctttcaaat ggttggcggg ggaaaaaaa aatggccggg agggccag 528

<210> 8187  
<211> 384  
<212> DNA  
<213> Homo sapiens

<400> 8187  
tttttttttt tttttttttt tttttttttt tttttttttt tttttttttt tttttttttt 60  
tttttttttt tttttttttt tttttttttt gggggggcaa aaaatttttt tttttttttt 120  
tggtggttga aaaatttttt aagggaattt ttgggggggg aattttgggg ataagtttta 180  
aaaaaaaaa aaaaaggggg ggtaattttt gggaatattt aaggaattaa acaaggtttt 240  
tatattaatt ttaggggggg gtttaaaaat ttatttgggt tttaaaaaag ggtaccatta 300  
aaaaaaattg ggattggctt ttttaggggg acttaaagaa ttaaggggg tttggggggg 360  
gggaaggggg ttatataggg gagg 384

<210> 8188  
<211> 222  
<212> DNA  
<213> Homo sapiens

<400> 8188  
cttttttttt tttttttttt tttttttttt tttttttttt tttttttttt tttttttatg 60

gggaaattta ccttttttta ttttttttta atattgaaaa ttttaaaaaa ggaattattt 120  
 ttcatttggg gtcccgccg gggggggggg taggatcact tgagtaatca ggggggcggt 180  
 ggatggggcg ctgaggggag aacacaaaca cagggcaggg gg 222

<210> 8189  
 <211> 352  
 <212> DNA  
 <213> Homo sapiens

<400> 8189  
 tcttgggtcta atatagggtg tgtgtaatga actgctagac tgtatgcggt acatgaacta 60  
 tactagtgat ggggtgctgg ctgcatattg tgtattacta ggtctagttc tatgtattaa 120  
 tatgctgcat tgtggatatg gggcaatata ttttttggac gcatctctct tattagtagt 180  
 atttatagtc ctctttctgtg taatgcaata atgaatatct attattagat ggtattattt 240  
 cttatgacct atatcctgtg actgtctctc ttactccttt gtccgcggac tgattaggca 300  
 tggctatgtg tttacgtggc tttatttctg gggccatcct ggcagtgcc ct 352

<210> 8190  
 <211> 160  
 <212> DNA  
 <213> Homo sapiens

<400> 8190  
 agcttttttt tttttttatt ttttttttta atgtttgggt gttaaatttat taaaagattt 60  
 gatttataat atttgtaatg gtgactgtca ccttttttcc tgcttgcta ctgatgggat 120  
 tattctgctt aatatatttt ttattagatg tgcaagttaa 160

<210> 8191  
 <211> 160  
 <212> DNA  
 <213> Homo sapiens

<400> 8191  
 tactgacatg catgtactaa ctagggtcta tggcatgact tgcataggct attacatgct 60  
 gagttggtag cattagactg catggtatca taataattga acacaatgct gatgaagaat 120  
 attatctcgt ggtagttagt atatttatag gcaagtggga 160

<210> 8192  
 <211> 480  
 <212> DNA  
 <213> Homo sapiens

<400> 8192  
 tacaagcttt tttttttttt tttttttttt ttttacaagc tttttttttt tttttttttt 60

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tttttttttt tttttttttt tttaaaaatat ttttattttt attatttttg tattaattaa 120
aaatatgaaa aaaaaagtaa aaggggttcc tttttggggg gagggccacct tgatggctta 180
aaacaagctt aataaatcga aaaaaaaaaat gggatgccaa aagatggggg gggaaaaagg 240
gcttgggggt taaaaggcga aaaagttggg ttaggggggt gggggggggg aacagagga 300
aaaaaaaaatt cagtttaggg gaccctaagg ggacgggggg gggggggggg gtgagggaca 360
cttgaagggg tttttggagg gggattgggg ggggaggggt tttgttattg ggggagatcc 420
gggagggagg ggcggggcag ggtgggggtc cagtggggta aattttctta agggcataaa 480

```

```

<210> 8193
<211> 240
<212> DNA
<213> Homo sapiens

```

```

<400> 8193
tagagctttt tttttttttt tttttttttt ttttttttaa taggttaaaa aaaaattttt 60
atttttttta aggggtgtta aaaattggaa taaagaatat gtataatatt tgtagtgagg 120
gggggttttg tgtaatgatt gaatatatag gaggatgaaa gatatttggt tgtaaataga 180
taaaattggg agggaagggt gaggggaaag ggggaatttt aaaaagatat attaaaaaat 240

```

```

<210> 8194
<211> 224
<212> DNA
<213> Homo sapiens

```

```

<400> 8194
tattacatgg cagcaggacc cactgagaac acaacgcctg ttgcggaaca agaacacgga 60
atggggctaa caacagacta agtactttat tgtagggcgg ataatatata actcatttgg 120
acaggcctgg gccatatctc tgactatgcc ctatattgga tgccctggcag gggcccaagc 180
ccaagaggat tctttaccct cggaacagct cccagggcac tcag 224

```

```

<210> 8195
<211> 192
<212> DNA
<213> Homo sapiens

```

```

<400> 8195
ctaagattga taatttgtgt atgtgatata aacgttttat taccagatgt gtacatttaa 60
tgagctatca ttacattat aaaggttgtg tgattctttg ttttttttaa acacaatttt 120
tatattcaaa tctgttggag caatgaaaag atggagagca taaacagggt tttctatgct 180
gatagaccat gg 192

```

```

<210> 8196

```

<211> 288  
 <212> DNA  
 <213> Homo sapiens

<400> 8196  
 tgatgaaagc caaattgacg caggatatga acctgttttg tattgtgata aggttaatat 60  
 tgtgtgcaat tttggtgaaa tgagagaaaa gattgatcgt ggttttggtt gaaagatgga 120  
 tgatggtgct tgattgttgg atgatgggga tgatgacatt gatgatatgg ctggtggaaa 180  
 gctgatgtgt ggtgatagat tcttaacta tggagatgct ggtattgttg atgtgggtga 240  
 tgtgaaacag atgagtgttg agagtgtcat aaaatataga ggattaga 288

<210> 8197  
 <211> 304  
 <212> DNA  
 <213> Homo sapiens

<400> 8197  
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 ttatttttta ttttataatt acaaaaatat tgtaaaaatt tgtgtttagt atacattttt 120  
 aatagttgta tgaaagggtg atatgaatat tataatgaaa catgttagta agtgtaatta 180  
 agaatgatat gaatatattt tgtgttaatg atataaagaa atatgggatt gatattttaa 240  
 tgaaaatggt tgtattaagg ataataatga taaatgtttt aaattaattt actttaaaaa 300  
 atta 304

<210> 8198  
 <211> 240  
 <212> DNA  
 <213> Homo sapiens

<400> 8198  
 tcgtgcta at ggtggttctg aatgcaatat ttgaatatta aatttaaact tatatattat 60  
 tatggaacat aatttatatg gggaatatat tataagactc ataactgaaa taagtatgta 120  
 taataaaaaag aatatgtgta atgataatga atatctatta atatatagta tcagttataa 180  
 gttttatatt atgtgagtgt cttaattaat tattggttgt ctgagtgatt taggcgacgt 240

<210> 8199  
 <211> 224  
 <212> DNA  
 <213> Homo sapiens

<400> 8199  
 agttgtattt aaaaaagcat aagtatagat tgtgttgggt agaaggagag gagaatgagt 60  
 tgatttgttg aagaggaggg tgtttgtgga tgaagaggag taagagttga aagtagaaag 120  
 ttgaatagat aggggaagtgt tgtgagtaag gaaaagtaag gaaaaggatt cattataaga 180

gaaaatgtta ctgagtgaat taataatatg taagtttggt ttca 224

<210> 8200

<211> 704

<212> DNA

<213> Homo sapiens

<400> 8200

caagctttttt tttttttttt tttttttttt ttttggtttt gaacotttaa taaaagtaaa 60  
 aaatgaatgc aaaaagaaca caatggtgaa aacttagtat gaatgtgaac ctactagat 120  
 gttcaaactc ggtagagtgc aaattttggt catactatct tacattttta caaactcaaa 180  
 tcacttttgt tcatatattt tctataaact attggcaaaa aaatcctcaa atttacattc 240  
 ttttggttac attattttta acagatatag atttacttcc ggtttoggag agaaagactt 300  
 attgtgtgtg cgtgatcaag totgttttaa agattcactc gctgctttca tctaataact 360  
 tctgggtttt cataaaatgc tgacatcttc attggaaatt tttttcatgt aactgttttc 420  
 attttcagaa aatatataag ggggtcattc ccaagttcag aatgactcta tttttttaa 480  
 aaacaaaatt cctgtaaaac aaattaactc caggaactta aaatttactc caagacattt 540  
 ccctcaaaac aaagcaaaaa acccagccaa gatcggtaca tcacaaaacc aaacacaaag 600  
 aacagcgctc acaggcaagt tctctaaagc tttcattctg ctgactgggtg gcttccattt 660  
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<210> 8201

<211> 576

<212> DNA

<213> Homo sapiens

<400> 8201

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 acaaagcgca cattagaatg cgagtttgat gagttgaaag gaaaaataga ttgccggtct 180  
 gggtagtagt tggaagatgg ttctaaattc ttgaattctg gtgatgatga ctatgttgat 240  
 atggttatct gggagatatt gtgtgttaag agtttatcaa attattcttc tttaggtcga 300  
 tttgcgggtc atgatattaa atatatagta gtagatgggtg taatcataag tagcgggaata 360  
 cagtgatggg ggaactggat acgttcgcaa ctctgctcat aaagctcaga tagctgaatg 420  
 aatagtatca cttatagggtg cccactaagt cttaatcatt ggtgagataa caggcgtaga 480  
 attgtttggt tcatctggga ttctatgtat agttataaat gaatggataa tgatcacaat 540  
 gtgtcgtata agcattatag cgagaagaga gatgtc 576

<210> 8202  
 <211> 368  
 <212> DNA  
 <213> Homo sapiens

<400> 8202  
 ctcatgcaag tgataggtag aactgtcgcc tgcagctaaa acaggggaagc ggaataagat 60  
 gctgatgctg tgtcgaggct gatgagcatc ctggtagtgg tggctgtgcc tgcaatattt 120  
 gaattttaaa tctaaatctt tttattttata tttaacatta ttgatattggg gaatatattt 180  
 ttatacttat cattaatata tatattttata atttctgctt ttgggtaatg aatatgtata 240  
 tctattttata tttgtttttat ttattatttc tattttactgt gactgtctca cttttttctt 300  
 tggtttctgt ctgattaggg ttgggtatgt gatggcttag ttttatgggc agggccgaat 360  
 tggcaggc 368

<210> 8203  
 <211> 672  
 <212> DNA  
 <213> Homo sapiens

<400> 8203  
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 tggaaaaaga acacaatggg gaaaacttaa tatgaatgag aaccttactt gatgggtcaaa 120  
 tctggtagag tgcaaatttt ggtcactata ttttacattt ttacaaactc aaatcacttt 180  
 gggatcatata ttttctataa actattggca aaaaaatcct caaatttaca ttcttttggg 240  
 tacattattt ctaacagata tagatttact tccgggttcg gagagaaaga cttattgggt 300  
 gtgcgtgatc aagtctgggt taaagattca ctgcgtgggt tcatctaata acttctgggt 360  
 tttcataaaa tgggtgacatc ttcatgggaa atttttttca tgggaactggg ttcattttca 420  
 gaaaatatat aaggggggca ttccaaagat cagaatgatc ctattttttt aaaaaacaaa 480  
 attcctgtaa aacaaattaa ctccaggaa ttaaaattta ctccaagaca ttttcctcaa 540  
 aacaaagcaa aaaaacccaa caaagatcgc tatatcacia aaccaaacac aaagaccagc 600  
 gctcacaggg aagttcctct taactttcat tctgctgact ggggggcttc atttaaaaag 660  
 ggtgttttaa tg 672

<210> 8204  
 <211> 288  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)..(288)

<223> n = A, T, C, or G

<400> 8204  
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tatgtacttg aatagaagtg gtcaataaga ttgattgcat actgcattgg aaaaagacat 120  
aaagaatgct tgacctatct atttatcctc tctcatgatg tcttcgtnta gaaaagttaa 180  
atatgctggt ataagctcat agtttgcaat tgcggatagt ctcagagag cttgatggat 240  
gaaggctagt aatctgtggt ataagccatc tggggaacga ggacagga 288

<210> 8205  
<211> 160  
<212> DNA  
<213> Homo sapiens

<400> 8205  
actgctgaac ctttttatgt tggttacttg tctatatatg ctatcttttg gtagtctttg 60  
ctagcttttg atattgtgac tgacaaaggt ctgtggagtg tctatgagct ccagcgtgac 120  
aacactgcct gctggcagct tggccagtgc tcaactcaaaa 160

<210> 8206  
<211> 255  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<222> (1) .. (255)  
<223> n = A, C, T or G

<400> 8206  
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ttattaaagg aaaaattttg cgagttttaa ggtttgogag gtgtaaaattt tgtgaggggtg 120  
aaaaggttta ctttttcacn cagtctgttt ctggcatgtc ttttaatgga tgtcagaagt 180  
ccacctggta tcaatgtata tgccagtggg gcacactcct gtagttattt tcccgcagt 240  
ctgtgcgcca gtttt 255

<210> 8207  
<211> 192  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<222> (1) .. (192)  
<223> n = A, C, T, or G

<400> 8207  
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 acttcatctg ctcatntgta ttatcctgca accatcctag tgcaaataaa gcgccggact 120  
 atgacctgct ggtattggga ttgagcacac gtgtctcaca ttgatattgtc aagtgttgac 180  
 tgaggctgag ag 192

<210> 8208  
 <211> 224  
 <212> DNA  
 <213> Homo sapiens

<400> 8208  
 ttccccctttt tttttttttt tttttttttt tttagggttt tatttttaa at gggaagggaa 60  
 aaattaaaag ttaagggaa ac attaaagtgg aaaaaaaaaa ggaaacactt aaccccaact 120  
 tttttgaaaa agaaaaaatg atgggggggg gagaaaaagg aaggggggaa aaaggggtatg 180  
 gggggattgg gggggggggg acgtgggagg aaaggggagg gagg 224

<210> 8209  
 <211> 752  
 <212> DNA  
 <213> Homo sapiens

<400> 8209  
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 atgcataaag atataaatga catttgccctt aaatttggca gcctaccctg gcttgggtca 120  
 gattttgttg ttgaacacaa gaaagtattt aagcaaagaa acacttcagt ttaattgaaa 180  
 acaacttttt gtaatgctga cgtgttaaat tggcctgagg gtattaattg atatctgttg 240  
 attttgtttt tctttgaagt ataacattac tttttggagg gaatttttga aagatgcttt 300  
 cgatttctct caattcttta agtcatgcaa aatgaattta aaatccaggg agtatggatg 360  
 cattgcctta gttttgatga gcttttaaatt aaatgtgtgc aatatcaaaa tattcaaact 420  
 tacaagctgg gtaaatacat ttccctgatta atatcttagt gcttaattgt tcccacattt 480  
 tcaaatttga ctttactctt ttttggcgta attcagtaag attgttacca gccagtgtgt 540  
 ttgcacacat ttgggttgtg tctagatgag ttagggacag tcataaaagc tggggatatg 600  
 tcgcatttgc aatcagtagt agcatatttc cagaatatga gccataaggc gcagtcttga 660  
 atacaacagt gttatccata gaaaggagct ttctgacaaa tatacatagc cttactaatg 720  
 agtacccttg cgccctccct cccaccgcac ct 752

<210> 8210  
 <211> 368



&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 8210

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tttttttttt tttttttttt ttttttggtt atttctattt ttttttgtct ttttgtatag      60
gctaatttgt cggatttggg gatgagatat tgaaggggtg aaaggattat atactgtatt      120
ggtggttggg ttggttgggt ttgggctggg ggaagggggg ggagggtggga aattaattaa      180
taaaatagta ataaggtctt agataaatat tatagttaaa gggaggaggg gggggggtag      240
ggggataaag gggcaattgt gaagggggga tgggtggatg tttttgtgga gctgtgggag      300
tgaggatggt aaaatgattt atttttatag gtaggagggg ggggggggtg tgggtgttac      360
gtggcggg                                     368

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&lt;210&gt; 8211

&lt;211&gt; 690

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 8211

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atgtggtgtg tgggtggacac aaagttcatt tttattttct ttttccttta ttttttctta      60
tggatgaatga tggaagatta ccgattaatt acacatggca catggataat ggatgttggc      120
tgtcatattc aattgcaatt tggtatagtg ctgtgtgatt aagtattggt tattgactat      180
tatttattct atatggtata taagaaggaa gcaggaatgt tagctgatga cacgtgaata      240
tttattatac atgctgtgtg ctgcgtccat gttgattgct tatgacgtat ggcgtatgga      300
acatttttaa gtcattcctg atggtagctg atacctgac tgtgtgttga gttatcctgt      360
atgtggatca tatttttaaac tggattacgt gttactggtt tgggtgtggg ttgtgaacca      420
caccagagat cactaaactt gcttcagggt tagtatctga ctggtgtatg gattccttaag      480
cgccataagt catttgagta ttgattatc tgaataataa catgcaaatt agcaagaact      540
gggcatacag ggtaagcggc aaggacaata aggatttttg tagatattat atattttttg      600
tttttggtta aggagacaag tttgaagagc agacaaaatc tcttttttaa tatagtatga      660
atgagaatac ttaaaaaaat ttaaaaaata                                     690

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&lt;210&gt; 8212

&lt;211&gt; 370

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 8212

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ggtacatttt tatttttttt ttggtgatgt tgtttgtctt tgaatgaagc atgtaattta      60
ttctcttaaa gaggagaata catgtggatc tttagaaagt aggaggacat gtctaacata      120
gatcgcttgt gtatatttta gtctataact gatcatgcat tacttagctg ggcgtggtgg      180

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ctcatgcatg tattctgacc ttctggggca actgacgctg gataatattt aatacctgga 240  
 tagtggtatga tgcagtgagc cacaatcacg ccaatgcact ccaacctgcg tgacagaccg 300  
 agactatgtg taaacatcta cttcaaatat atgggcctgg atgaatttaa atccgtggat 360  
 ggcgacgtac 370

<210> 8213  
 <211> 162  
 <212> DNA  
 <213> Homo sapiens

<400> 8213  
 tactcttcca attaatatct acattgatat tcaccagata ttgtgaactg ataactga 60  
 aataataaga attgcatagt atttgaagct gcatatcaat aacagctttc ttggtaatgg 120  
 ctctaatact atcttcttta tgggtgtggc tcgctcatat tc 162

<210> 8214  
 <211> 178  
 <212> DNA  
 <213> Homo sapiens

<400> 8214  
 gatagggaaa agttagatta ttggaagatt gtgtatactt attgatgaat atgatattaa 60  
 aaatggggat gtagataaag aagaattgtg atttgaatga gaatattgag aatggattat 120  
 tgtattgagc ttttagtggt tttttattta ataattgaaa ataagctgtt gtttagag 178

<210> 8215  
 <211> 498  
 <212> DNA  
 <213> Homo sapiens

<400> 8215  
 gtaccatttt gcagcggagg gcatgatgga aggacaagcg tttagaaagt atgtatctac 60  
 tctgtgatcg gatattggta tgtaaggagt gctgctgtaa ctggaaccat aagagggatt 120  
 atgcttacac aatgatctca tggatatgtg ttgttagcat gagctgtgga tgtaggattg 180  
 tgtgctagag gaacgggtgg agagattctt caagctatgg tgaatgatag agataatata 240  
 tctgtatggc agaatatgga cggcagaaaag ttttctata tgacaatgat tatttgctat 300  
 gtatagatgg tgacattatt gcaatgaagc taggacgtga gcacgctaact cactaatgaa 360  
 tacgggattg gctgcagctt gaccgtatga gatagggtccc aacgtggcgg atgcatagat 420  
 tgagtatttg tatgtgttat atagatagct aggtgtaatg atggatatag gtgatagtgg 480  
 gtgaatatgt tattcgct 498

<210> 8216  
 <211> 550  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)..(550)  
 <223> n = A, C, T, or G

<400> 8216  
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 tgggcaggcc ctggcttttg ttcaggatct tgtgacggct cttctaaact ttcataccta 120  
 cacagaacag aggattcaaa tttttcctgt tgattctgcc attgacacta tatctccatt 180  
 gaatcagaag ttctcacaat accttcatga aaatgcgtcc tatgtccgcc ctcttgagga 240  
 aggaatgctt catttatattg aaagtatcac tgaggatact gtgactgtct tggagacaac 300  
 tgtgaaattg aaaacttttt cagaacactt aacctcctac atatgttttc ttangaagat 360  
 tcttccctat cagttaaaaa gtttagaaga agaatgtgaa tcctctcttt gcacatctgc 420  
 gttaagagcc aggaatctag agctgtccca agacatgaaa aaaatgacag ctgtgtttga 480  
 gaagctgcag acttacatag ctcttcttgc cttgccaaagt acctcgggcg cgaccacgct 540  
 aatcactagt 550

<210> 8217  
 <211> 162  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)..(162)  
 <223> n = A, T, C or G

<400> 8217  
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 attttcggta ccaaggacaa ggttctaagt catactatta aaggctaata aaattcaaaa 120  
 atggttttaa gaattcgaac attttgaatg acgcagaggg ct 162

<210> 8218  
 <211> 530  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)..(530)  
 <223> n = A, T, C or G

<400> 8218  
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 tagacaacaa gtccctcaa atcangaatgtt ggagtctggt attgaccgaa ttattttctca 180  
 ngttgtggac ccaaagatca accacacatt cagacctcag gtagagaaag ctgtgcatga 240  
 gtttttggcc acgctaaatc acaaangaga angaagtggc aacacagctc ccgatgatga 300  
 gaaaccaggc acttccctta ttacacaaag tgttcctact cctgggcca gtgctaattgt 360  
 agccaatgat gccatgtcga tattggaaac cataacttct cttaaccaag aagccagtgc 420  
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 tacatctcat ccaaccactg atactaataa cctgcccggc ggggggtgga 530

<210> 8219  
 <211> 242  
 <212> DNA  
 <213> Homo sapiens

<400> 8219  
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 gcacatgaca cgacatacac acagcatgga cggcaagcag gaatacagat ctgattactg 180  
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 at 242

<210> 8220  
 <211> 290  
 <212> DNA  
 <213> Homo sapiens

<400> 8220  
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 gacttgttgc gttgtaaaac tgtttaataa aatatatggc attaacttgt atttacaaaa 180  
 aaataaaaga caggctttac actattttcta ggggggacact atttcgggaa tggtatgtaa 240  
 aactctctat ctagccattg ggaccgatat cagttgattg ggtatcgtct 290

<210> 8221  
 <211> 242  
 <212> DNA  
 <213> Homo sapiens

<400> 8221  
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acaaacatat ataagcgaaa taacaatggc agatgcctcc actgtacttg agcaagtcac 120  
cactgatctg tttggagaaa ttagtggtga tgtcggtgct ggctgtggcc tgtttctgtc 180  
tgattgtgaa ataggtaggc ctggttatgt actggtgtgt aactccaggc aacggcatat 240  
tt 242

<210> 8222  
<211> 178  
<212> DNA  
<213> Homo sapiens

<400> 8222  
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aacaccaaag aaatcatttg aatgggagaa ggagaaacag gttgaagcac tgacaatttt 120  
tgcaagtgag aattcaagga ctgtattgta gccacagtta tgtacattat ctacgaac 178

<210> 8223  
<211> 354  
<212> DNA  
<213> Homo sapiens

<400> 8223  
cactatattg gccaggcttg gatatatgaa acttgtgtca cttaaaacta aggcggtgtg 60  
tgatattaaa agaggtcttt tacatctgtg ttagctggct tgagaactcg caactttgac 120  
tatcttgaat gtgctgctgg atggatggcc tttgctctga ttaggatccc catggtgaac 180  
cctgtgcca cagatggatc cggatgcagt gcacttgtcg ttaatggagc tcgtctgaat 240  
gcataggaga tgtggttcac acaacagtgc aagaaaccta cggcctaggc gaggggaatc 300  
cacttgcgca cagtgtcctc tatctcacac cttgtctcga cgactgcaca gcat 354

<210> 8224  
<211> 450  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<222> (1)..(450)  
<223> n = A, T, C, or G

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cangagtgcg ctatctgaga gggcaagaga aagaaggcaa aggagacggg tccatacttg 240  
 aacaacttga aataacttgt ctgcatttca agaacaacct accacagacc ttacctgtca 300  
 ccttggtctc cccaccaat ggagatggct ctaatggtgg caciaaacan ggaagggaaa 360  
 tctgtggttt aaattcttta tgcctcatcc tctgagtgc gaaaggctgc tgnagctgt 420  
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<210> 8225

<211> 178

<212> DNA

<213> Homo sapiens

<400> 8225

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 ttatgatttg tagtgggaag ttattgtatt gttatattaa ttttataata gttatggg 178

<210> 8226

<211> 514

<212> DNA

<213> Homo sapiens

<400> 8226

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 ttacgtaatt tttgtttatt atgattttat tagaatatat gaaaacttat aagattataa 180  
 tgaagaatga aaagatttaa gggttattaca tgatgacggg agttgtgatg agtctttttc 240  
 atggaatgga agatgtattg aaaagtaata ttgagagaaa ggactgcaga gacaagaatt 300  
 aataccaata ggaaggcagt gctttgaaat tataatgaat gtgagtgaat gagcttaaag 360  
 tataattgaa gagttgtag tgattaaaat aattagaagg cgatcgtttg tgatgagatt 420  
 taatcgaaag tgattattag aaattgaaaa tacgtgaaga gtggtgtatt gagtttgta 480  
 aaacgttaag ttaacgcatt ttagttataa gcta 514

<210> 8227

<211> 162

<212> DNA

<213> Homo sapiens

<400> 8227

ggctcgctgg acgcgcagg tactatgggtg acttaatgta attctaattg actacattta 60  
 taaatttttg ctatatgaat gtatcatcaa tggaaatcgc atatctgtca aggatctgct 120  
 ctttgctaag gaaaagtgg agagcaatgg aacgagcgt tg 162

<210> 8228  
 <211> 290  
 <212> DNA  
 <213> Homo sapiens

<400> 8228  
 caggtaccgg agttggatcc ggctgctagc tacacggagt gtagggacac tcaaggctct 60  
 tacatgcggg aaccgagcac atcatcatgc tgggtacttt ctggccacat cggagactct 120  
 gacaattact tgatgctatg atctgactga agacatgaag taagaggtca ctgtgactaa 180  
 atatccagaa gcctggaagg aggggccggg agctctcaag aatgggggac aagatggcca 240  
 catgagggca gctctgtgcc atatcggcac aaggcgggaag aaagaccaag 290

<210> 8229  
 <211> 178  
 <212> DNA  
 <213> Homo sapiens

<400> 8229  
 aggtacataa aaacgctgct gggtagaggt cctgtggtga cagagtcaaa agactgcaat 60  
 gttgatgtca cccggtgaac tcctggtttg tgagagtga tcgggattca atatcatgga 120  
 ccttaatgga gtaattggaa gacctcaata aggaaaccat tgagcctatg gaaggttt 178

<210> 8230  
 <211> 370  
 <212> DNA  
 <213> Homo sapiens

<400> 8230  
 acaatatggg tcgttctttt atatcgaaaa aagtgtact taaaaaaagt ttatttatcg 60  
 tataaaaaata agtcttttac atctgttggt agctggtagt gaaaacttga aagactcaga 120  
 ctcaagtggta aacaggatga atgggtccac ctgcctttc cgtttgggag agggatcttg 180  
 agggctggga cccctctgcg tcacagtagg ttgagtgcgt tgctggggca gcaggtttct 240  
 aaaatttttg cttcaaggc aaagccatag caggggatgg ggtttcagca caaccagtgg 300  
 caagaaaaga ctaggggccc tcggctgatg ggaaatccac cttgtgcacc agcggttcct 360  
 cacaactcaa 370

<210> 8231  
 <211> 178  
 <212> DNA  
 <213> Homo sapiens

<400> 8231  
 ttctagggta aaggaaatat cataaaaaact aaatataagc agaagctcaa gggatctatg 60

tatgaaagtg ctgggagaat aaaagttatg gaagaggagg aaattctgaa tcaaacacag 120  
attcttttgggt ttctgggcag gattataagt gtgtatagag tgggaagaag ctcatatg 178

<210> 8232  
<211> 210  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<222> (1)..(210)  
<223> n = A, T, C or G

<400> 8232  
tatggntcag ntctttttata tcgcaaaaag gtgtaactta acaaaaaggt taattttattc 60  
gtattaaaaa aaagntcttt ttacatcctg ntgnttaggc tgggtggtgt aaaaacttgn 120  
aagcaactca gcacctcaga tgggtaaaca gnatggaatg gttccaccct cgtcttttcc 180  
ttttggcagc aggatcggtg nagggctggc 210

<210> 8233  
<211> 194  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<222> (1)..(194)  
<223> n = A, T, C or G

<400> 8233  
atactcggnn ggnatggngg nctccatccg gncctcgcggt tccaccttcc atcagatgtg 60  
gtatcancaa gacagnagta ggacgagtcg ggccccctcc atcgtccacc gcaaatgctt 120  
ctaggcggnn cgtatgactt aagttgcgtt tacacacctt ttcttggaca aaaacctaac 180  
tttgtcgagc naat 194

<210> 8234  
<211> 242  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<222> (1)..(242)  
<223> n = A, T, C or G

<400> 8234  
tcggagtcgt ntacgaggt aaaatacgna ccagtaaaa ttgtcaatag ccagtgctt 60



gtaattgttt tggtttcggn ttgttttcta ttagtactta tggtcagtct ccggctgtat 120  
 tgcatacctc ctgcatgcgt aggtaattac ggtatgtgtt ttagtggagc tgggtacttt 180  
 ctaggggatt ttagtcgggg gtgtatgtcc ttgtttgggg gctcagctgc tcctccctag 240  
 tt 242

<210> 8235  
 <211> 242  
 <212> DNA  
 <213> Homo sapiens  
 <220>  
 <221> misc\_feature  
 <222> (1)..(242)  
 <223> n = A, T, C or G

<400> 8235  
 ggtacaagag agtcatggaa agtatttgaa cttgaactta atagcgatat tattaatgtg 60  
 tgtgtggcgc acaatcttgg cctcaaaagg tcatggataa cctgagcatg ctcttattac 120  
 ataactgggt agacaatacg accgttcata tacactgctt gctgtatcca cggaaagcac 180  
 acctgtcgca caatgctctg aaacagctac ttcacgttgt gctggacagc tgaagangtg 240  
 tc 242

<210> 8236  
 <211> 162  
 <212> DNA  
 <213> Homo sapiens

<400> 8236  
 agtacaatta tatggcccca gggatattgc ggagggatgg gtttaaaaaa gtctttcgga 60  
 tataagaaag aacataggat gaaatgagtg gtggagaaag ggttacctat agaagactaa 120  
 ttattcaaat acttcctcta tctatagtat agtatattca ta 162

<210> 8237  
 <211> 226  
 <212> DNA  
 <213> Homo sapiens

<400> 8237  
 gtgtacaggc tggacacgat gatggatcac aggcgctgga tccacgtgta agccaggacg 60  
 ctcagaacag gcttggcgag ggcgtggatg tgctcgogat gtacgacaag caccaggact 120  
 cagagtgc ataatcagcgtg cagacacatc gcacagtgc tgcctccgga gtggagtagg 180  
 actgccacat atggggagatc aaagatggca ctgaagtaag cgaaca 226

<210> 8238

<211> 194  
 <212> DNA  
 <213> Homo sapiens

<400> 8238  
 gagtatttgg ggaacacatg tctaataaat gccatccttg agtctctcat aatcattgat 60  
 cagtcattgct gttatctcat gcaactgccc gccgaggttag ctaagaatgg gttaacagcg 120  
 agcagggcag acataccatg cctggatcca atgggataac aatgtttatt tggcagacta 180  
 attttactaa gata 194

<210> 8239  
 <211> 258  
 <212> DNA  
 <213> Homo sapiens

<400> 8239  
 gtataaaaaa ttggagatgt aggggggttg agttgatgta ttattatttg attttatatt 60  
 ataataattct atttggtggt atataaattg atggggaggt gttttttaaa tatttaaatt 120  
 taggtttgga ttgattatgt ttatttgtga gttgtgatta tttttgagtt gtgaagtttt 180  
 gtaatatatta gtggtggaga tgggtgtttg gtatgtgaat attagcttgt gtgggataag 240  
 gtggagaatg tggttgta 258

<210> 8240  
 <211> 290  
 <212> DNA  
 <213> Homo sapiens

<400> 8240  
 caaccttttt tttttttttt tttttttttt ttttggtttt taaggggggg gggccacaat 60  
 ggtaaaaaag gaccttggga aacaggggaac gaaaaaatg gttttaacaa aatttgggaa 120  
 ccaaagtaaa atgggataat ggggggttggg aagaaggga ttggtttggt gggagccggc 180  
 tttgggctcc caattccttt tttttgtcct ttggctgggg ttagggaag gggggaggca 240  
 aagggcгааг ctccacctt ggggtattaaa aaacggcaga acaaacatgt 290

<210> 8241  
 <211> 290  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)..(290)  
 <223> n = A, C, T or G

<400> 8241  
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agggtgggatg atcaactgat ccaaggagga caaatagggtg acaatgagct gtgatattaa 120  
 cactgaaatg caaccggagc tgcattgtgaa cctgggtgaa tatacataaa taaagattgc 180  
 tgcaccattg gatgaagata ggtgatttca tatatgactt gcggccagat gcagtaggaa 240  
 acatatatct gtgacacgat tctacggaga tgactggagg gagagtacgt 290

<210> 8242  
 <211> 162  
 <212> DNA  
 <213> Homo sapiens

<400> 8242  
 tactgtgttg aacttcatta ttcaatgtca ttctatgtca taataacaga aaaccctata 60  
 caatcagagt tgctcaatac tggaccttca tgcaatacta ggaaccgtta cgctgggtgca 120  
 ttgatacacg cacaccatac gagtcacaat gccaaatgga aa 162

<210> 8243  
 <211> 210  
 <212> DNA  
 <213> Homo sapiens

<400> 8243  
 gggaccgcag ggtgcactac aacctacgaa ctacgcgcac caccaactac caccagctgg 60  
 tcgaacagac gcaagtatca tcacaagcat ggtatacaac actgctcctg cgcacgaaca 120  
 cctctggagg gacaccatgc tgtatgctgc taggctagtc tagtatcctg ggatattcaa 180  
 tccacttaat ctgagttatt tagcaagtcc 210

<210> 8244  
 <211> 242  
 <212> DNA  
 <213> Homo sapiens

<400> 8244  
 tactcactat cgggtgctgga atcagtttca tagaatgact agctaatagc tgcagggtggc 60  
 tataaaagaa aggaatgtgc aacaaaggaa atgaatgatg tatatctaca tatgataaca 120  
 ctgacagctt gtgtagggtac catggagaac agccgaatag gctgatgtga agatgggtctg 180  
 tgtagggcta aaatgactaa gtaatgtgta ttgtcaaggc atgttccaat acagtataac 240  
 ag 242

<210> 8245  
 <211> 178  
 <212> DNA  
 <213> Homo sapiens

<400> 8245

gtacacagga tatagacaat aggaaaataa tacctcgggc attaacaaca catatagaag 60  
gacaccagct gtatcgtgct ggctatcacc tacctgtata taattactta tctgggtataa 120  
gctgacaaca tagaccttaa gtgtagggtg gcaatgatgc taggaatctg tggaaggt 178

<210> 8246  
<211> 162  
<212> DNA  
<213> Homo sapiens

<400> 8246  
gtctggacaa ttcactgagc tcgttctctc tctctctctc tgtgtgtgtg tgtgtgtgtg 60  
tgtgtgtgtg tgtgtgtgta tctggcttta tgttgcatc tttccattg ggccactgtt 120  
ctgtgccaac atgcaacgca ataatctgtt acccacattc ag 162

<210> 8247  
<211> 306  
<212> DNA  
<213> Homo sapiens

<400> 8247  
tacatgatgg aaaggaagaa tggacgacga tgcacgacgc tgatgaaggc acagataatg 60  
acgaggacga agtgggggga cgaacgaggg agatggatgg tcactagaat agtatgaccc 120  
ctgtgggtggg cgaacgagcg agattgacag acatcacagc cgcattgact ctgcagtggc 180  
aacagatgga ggctcaacag cattaaccac gccaaagcctc gggcatgtac cagccggagg 240  
tgactcaggt gcataagaca gccacagtt gaggcgatga cgtgggggaa gagcacaagc 300  
gagaaa 306

<210> 8248  
<211> 600  
<212> DNA  
<213> Homo sapiens

<400> 8248  
gccggtacca taaagaaagt aggattaaaa tctaaaaaga ccccaaagc ttttcaaac 60  
ctgatctgag aattagataa gaatatgtca cttagaaaga caagcctgta gcacccatag 120  
ctctgattaa cctgaaagca tcaagtgact ccctcttttt ccaccctacc aacatcactc 180  
taattatact tccaattaga aaaataatgt agcatttccc tggcagtaga gattaaatat 240  
gagttcagga atcagctcct ccaaacatgc ataaatgagg acaaggagaa gccagtcact 300  
cctgactgca cgggtcaagtg tgtgggcagt tgaaattaag gtaaaaacag tgaggctgaa 360  
caaaatcaca ttaagaaaaa gcatctcatg aggccttttcg aggtcagttg atgaaggcca 420  
gataggagtc aatattttct catatacccc agctgttacc actattcata ttccaacagc 480

ctccagattg ctcgaggcca cctgggtgac ttttaccttg gagtcggtcc agaaaagcat 540  
tatttaccct tgtgatattg tcctcacagt acctcggccg cgaccacgct aatcactagt 600

<210> 8249  
<211> 434  
<212> DNA  
<213> Homo sapiens

<400> 8249  
caggtaccac tatttgttgg agatattgca cagtggaaaa tgacataatc atggatatgc 60  
tatgggtgtac gctgtatata cagttgaaaa ctatggagtt cgaaatgttg ggggagaatg 120  
tgatatgaga aaaaagatat acatgtggta agaacctcta acaagggttaa tgtgcatgcy 180  
cgaaggctca tgaaagatca gtgtgtaaat tggcttatag cttatacaaa aaaaaaaga 240  
aataaaaaaa aaaatgacct cggatcgcca ccgcgctaact cactatgtga attgacggcc 300  
gcctgcgcga tccaccatat gggcatagct accaacgcgc aggatgcata gattgagtat 360  
tctatagtgt aacctggata ggttggcgta aatgtggtcg tatgctgtgg ctgagagaca 420  
attgtatcca ctcc 434

<210> 8250  
<211> 258  
<212> DNA  
<213> Homo sapiens

<400> 8250  
ggacgagctc cagtatatatt cgtagataag gcacagatga aaatgacata gtcattccatt 60  
gctatgagtg taagcagtcgt gtacaatgaa aactatggat gttaaatgat gaggaaaatg 120  
ccatgcgaga aagagagaca tgtgaaacta acagctgaca aaggtaatgt gcatgaccga 180  
ggatgatggga gacttcaggg tgtatattac cttctacata atagaaaaca aaagaaagga 240  
aaaaaaacaa atacttgg 258

<210> 8251  
<211> 434  
<212> DNA  
<213> Homo sapiens

<400> 8251  
gcaggtgcaa gggcatgggtg ctgagggggc agggggaggc tgaggcagcc gaaaacgcat 60  
tatttttctc tttgaatgat aaagataaat acaactacat atacaatata aacattagga 120  
aactgagaca aagataatgg ttaagggttat aacgtaatcg taatagcaaa agattataat 180  
agaaaaaaag aatacgaaga ctagtaacat gaggaaggag aaggaaaaga gaaaatgaaa 240  
catgaccgtg gctgaggtga agatgattca tggagaagga aatgtatatg aaagaaaatt 300

gagagagagg aatacggaga cacgaaccaa taccaatata agggcaatgg ttttgcatta 360  
 agatgaaggt gacggagaca gataaaggct aagtttaaaa gtggaagttg atgaaaataa 420  
 tagtaagggg atgt 434

<210> 8252  
 <211> 162  
 <212> DNA  
 <213> Homo sapiens

<400> 8252  
 cgtaggtagc gccctcccc tgtatgcctc ttcgtggcag taagcatgga atattgtaaa 60  
 tggtaggact ccagtaattc cttccagtgg ctctactatc aggctaggct cagggtataac 120  
 ccaggttatg gcatattcgt aggtagctgc tctctatgtc tc 162

<210> 8253  
 <211> 546  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)..(546)  
 <223> n = A, T, C or G

<400> 8253  
 ggcaggtgaa ggacctgttt atctctgatt tctggagttc agcnactaga aaccatcaat 60  
 agatgtctca caaaacatct ggaacaactg aagacccttg tggggactct ttcagacatc 120  
 tttggaaacc tgcattctga ctcatgtcca gaggagtcag atgtggccac tgattctatc 180  
 ccaagagaga tcttgggtcac aggaacctgc catttgaagt gtgtgtgtta cggcattggg 240  
 aactttgcca cctgcatcgt agctagaaac cagctaacgt ttttgctgct tttgttgga 300  
 aagtgccaga ttcccagaag tcaactgttg gtatatgacc ctctgtttag ccaacttgaa 360  
 attgaagtcc ttaacacct tggtgtgact gttctcagtg agaacgagga agggaaacgg 420  
 agtattcgcg gggagcccta ccatctttta catgctccat tgtgggacgg ccttgtacct 480  
 cgggcgacgac cacgcctatc actaggaat tcccgggggc ctggcggtcg gaccatttgg 540  
 ggagag 546

<210> 8254  
 <211> 530  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)..(530)

<223> n = A, T, C or G

<400> 8254

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ccnggggtgta acatgccata ccatgaccca taacaggggc catgcacacc catcagtgag      60
gaccttcggc ctagccatgg gacttcagtc taactatgtg acgctactca tactaggtat      120
agtaactaac acaatgacta tataccaatg aagacacgat gtaacactga agagcagatg      180
ccaaaggcac aagacaacac cagtgcacaa aggcaccaga tgcgggataa tgctatcgat      240
tacgtgagat gttattttatt tcgcaagatg tttctgagtc tgttagcact ccatgatagt      300
ctctacactc caaccaagag ggcactggcc aactacgagg gtaacggcgc tcaacacgct      360
agaagccgca ctactaaaca catgcgcaac acttgcataa agaggatcaa ccagcagagc      420
gaaccatagt caaatgagaa aaacacgaaa ccatacaata caagcgctgc ttaacacaat      480
aagaccgggt cattacaata ccaactgtgca tgcatcatag cctcccgaca      530
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<210> 8255

<211> 274

<212> DNA

<213> Homo sapiens

<400> 8255

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cgggcaggta ctcaccgtgc gtgacactca agcctgactt aacacagtgc atgtcatctg      60
atctacaaga agatacagaa ctggaaatga aaagacatgt ggcggactat cgggcaatgg      120
tggaattgca taacgaacct gtctagttag tctagcgtga tgctccataa tgatgcacac      180
ttggtgcac atagagggtgt aagcaggaac caagaaccag ccagcagtgt ctacactttg      240
tgattggaca cttggggccgg ggaacacgcc tcta      274
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<210> 8256

<211> 418

<212> DNA

<213> Homo sapiens

<400> 8256

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agcccccccc cccccccacc ccggcccccc aaaccaccaa atgaagggca cgggaggagg      60
acacacaaca cgcccagaca cacagcacag cagggggccgc gaaacggaga caaccccccc      120
cccacggccc cgagaagaaa aacaccacgc ccccccccac gaacaccacc aaaaaaaaaac      180
aaacccccca caacaccccc cgggacccac agcccaagag aaccacccgg agaaccaaca      240
accgggggga ggcggaggca ggccccgggg agcagggagg aaagcggaca gccaggggag      300
gccgcgacac ccccgcccc gccgggaaag gcaggcggcg gcaagcagca acaagggggac      360
agaagggggg gcaggagcgg ccgggagccc ccagcaaaa ccaaccacaa attccggg      418
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<210> 8257  
 <211> 450  
 <212> DNA  
 <213> Homo sapiens

<400> 8257  
 ggtaatatga tgaataataa agatgatgca aacacagAAC atacttagtc agacatagat 60  
 gagtacagat agatgttgag gtggctgggg agtcctgagt ggggatgttg gagaatggga 120  
 atacgaaaca gcatgctcta ataatggaca cactgggaga gatgcaacta agggttacag 180  
 actgcaagat gagacaacaa tgagccagcg tacacacaaa agatataaga ggaacacgct 240  
 acagaaatca agcaataaga tgaaaaagat aggggtacaaa ccacacacat taacaaaagt 300  
 ggctacaact gggaggaatg gagacaagag gctgtatctg ggtgctaagg tgacaagatg 360  
 caaggagagg gaagtcacat gcaatgatgg aaaggacaga gagaccacgc tgatgggtggc 420  
 tatggactgg gtaccaccat gatcgtagct 450

<210> 8258  
 <211> 162  
 <212> DNA  
 <213> Homo sapiens

<400> 8258  
 ggggacagga tacggaggag aactcaatag catggtcact ggtgtaaatt ctgcattgta 60  
 gatacacgaa gcagccttta cctattactg gagcctgcct tcactaacia taaatgaaaa 120  
 agctgctatg cacttctaca gcaggctctg ggattgtcat at 162

<210> 8259  
 <211> 178  
 <212> DNA  
 <213> Homo sapiens

<400> 8259  
 gtaccattgg tggccaattg atttgttggt aaggaggga tcgttgaact tatttgatat 60  
 ggaccggtag cgtagggctg gggacgggga cgaggagcac gatgtaggta gggacgatac 120  
 atcataccgc ttctatttgc tgcacgactg accatgatag tactagccaa gtgatggg 178

<210> 8260  
 <211> 594  
 <212> DNA  
 <213> Homo sapiens

<400> 8260  
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 caagccattg gcacacaggc attagacaga aagctggaag ttgaaatggg aagtgaaact 120  
 gtatccaagt aagcaggtaa ctgggcaaac ttctacggc acaaatggct ttttagttac 180



ctcctagtgc tgaatgcatt aaataaatgg cggattottg tcttggtatg attaataaga 240  
aagtttgtaa atgcagcctg gatgatgata agcaaagtct gactgaacat gaaggcttta 300  
attagctcta actgactaaa ggcatttggt agttttggca ggggatgaac actcatctgt 360  
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atgcttactg ctgagctaata ggcttaaagc ttggctgatg aatactgact gtattttcct 540  
tgagcatgtg tggaacagcg gttatgtgtt ctccttgacc gtggttgga cggg 594

<210> 8261  
<211> 674  
<212> DNA  
<213> Homo sapiens

<400> 8261  
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gctgattaaa gttattaatt cagagactga aggggctgga cttgctacct gtatagaact 120  
gtgtgtaaag gctcttcgct tggagtctac agaaaatact gaagtgaaaa tatctatttg 180  
catgaccatt ttatgtttgt tgcctgatga tctggaagtg taaacgtgct tgtcaactga 240  
gtgaatatat tattgagtct acagtagatg cgtattatgc tgtggaaatg ttgtataatc 300  
agacagacca gatatatgat gaagagaatc ttctataacc aaattcttta cgctgtgagc 360  
tggtacttgt attgaaaact cattggccct ttgatctaga attctgggat tggaaaatct 420  
tgaaaogaca atgtcttgca ttaatgggag aagtagcata cattgtgtct tcaataggat 480  
gaactaaatg acagtgagga tatgaaaaag tggtagacta ccaagaagag agtaaagaaa 540  
cttctatgaa tgggctttct ggtggagtgg tgctaatttt ggccttctta aggacttggg 600  
gatgaaaaga caaaaaaaga gaaagataaa acaagtaaaa aaaaaaggga ttaatatgtg 660  
cttggattat gtat 674

<210> 8262  
<211> 324  
<212> DNA  
<213> Homo sapiens

<400> 8262  
ggtgaccatg tgagatgtgg attaccatga gcaaaacacg acgaatgagg acacctctga 60  
aatatatata aagcaacata ctgatgattg tgataacgtg ccgtaaatgt aactgatctc 120  
tctgtcacca atgacgacag aggaggcata taacacaaat ggcaataaag ggtctaggac 180  
tgaggatcc agatgagact gaatgaatgc tataaataat cgggtggctac cacgcatatg 240  
aatagagaat cttcgtgcga ttagctgggt aacaatattg gataaccttc atacgcatag 300

gaaggatatg tagtaaatta tatt

324

&lt;210&gt; 8263

&lt;211&gt; 194

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 8263

aagcttggta ttttagttttt tttttttttt tgtgggttta gaggggctca ggggggctt 60

aagggtgtgcc agactgtacg cgcatagttc agaaaaagg ggcttgaatt tcatgtgcaa 120

cttgggatgg ggggaaagg ggacgtttga gaaggaggga aaacaggggg ggaatatattt 180

tcaaatacaac ctct 194

&lt;210&gt; 8264

&lt;211&gt; 194

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 8264

attggggcaa tctcaaaagt agtaaaattt tttttgtctt ttggcttaac tctacagtca 60

cagcagacca agtttcagct tacatttaatt aggcagaagg ggagaaaaaa aattgacagg 120

aatgaaagtg cgtaagaaca tcacccttag aatatcaatta caaggtactt acatggaagt 180

agaaaacccat ctct 194

&lt;210&gt; 8265

&lt;211&gt; 226

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 8265

ataggccggg cctggaggcg catgcctgtg gtgccacctg cttaggatgc tgaggccaga 60

taaagtattg agcctgtgag gcggaggatg gggatacatt gttgattagc tagatgagct 120

tgaaaatata gagataaaca agatcctaga gtgcatgaag ttggcatgag aatatggaatt 180

tgttttgttg atgaatctga aacataatgt tagtgacagt aaaaag 226

&lt;210&gt; 8266

&lt;211&gt; 162

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 8266

aatctatgac tgcatacagt tactaataca aatattaatt acaccacact ttggaagtat 60

aaaaatggta aggtaattgt gtgtaattga gaggatgaga tgagaggata gtttaggccg 120

tgtcttgctg cttacatgaa agaagacttg taacaatgaa tt 162

<210> 8267  
 <211> 418  
 <212> DNA  
 <213> Homo sapiens

<400> 8267  
 tgatcagaac acatcagatt agctacagtg ttgggattat ggggtgtgatc tattgctgac 60  
 ggatttgtgat attgtttgtg tcattatttg gtcactttga tatcgtagat tattattgtg 120  
 ttgtgttaat atagtataat atgtgtattc aatcaciaat taaaagacaa tatagtgtgt 180  
 atcatcaaca gggaaatgatg aggaaggagt gtaaggagag atcagagact gcaagagaat 240  
 aagtgcagag aagccagcag agataattat atatgtatta tataagtatc agtgtatgtc 300  
 gtgggttttca tattgctagg tagattcata aaattgagat ctctgtgata ctatagggtg 360  
 tatatgttca acttgatatg aaactgtgat gtgttttcca cagcggatga tacggccc 418

<210> 8268  
 <211> 434  
 <212> DNA  
 <213> Homo sapiens

<400> 8268  
 cgggtatatt catagttaag tgataggtag aattaataat tcatggcatg tgattaaata 60  
 tctatcgaca catgctctgt ttattatgta attctgatat cttgaactag gatgtggatg 120  
 tggatttgtg tctgatagg atctattgga tactactacc aggttgagtt gttcatgatt 180  
 gacatggaaa actaccaatt gttataacat ataataatca tctatactta catatgggat 240  
 gggttcattag ggtogacagg tgtgtgcagt gtcccatgtt agtaatctga cttaattgtg 300  
 aatttatgac ccccccttgg tgctcctatg tggtagtggt atctattata ttttctttct 360  
 gtttggcttt tctctttttt ctgtgttata accgttgtgc ggtctggaga atagtgacta 420  
 ttttgtgtct gttt 434

<210> 8269  
 <211> 306  
 <212> DNA  
 <213> Homo sapiens

<400> 8269  
 ggtctaattc tctcttttgg aatgtagatt ttttttttac catgctttac gatgtaaaat 60  
 atttatgttt tattgattcc tggatatctg gctgagggat tatacatgga acaggaagat 120  
 gcgtgggtgac tattcttgct ggtgatgttg agagtctctc gtgactgtca tattgtagtg 180  
 gtagatcata tattcactct ggtaggccgt gacttttagg cttagttcag actgtgtggg 240  
 cggcgctcta gatgacttgt gtctgcgcgt ctgtctggag gacagcacta tgggatagat 300

cctaata

306

&lt;210&gt; 8270

&lt;211&gt; 290

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 8270

tgtatattct agaagctgat aattccagtt ctggcgaact aggaagatta gagcaagatt 60

ctcaatcagc gtatgatctt cggagaggtg tgggaatgtg ttatataaca ttcattcttc 120

gggtgtgctct tggactaatc aacttatctt ccataagatg tggttatggg ttctgtatta 180

gtggtggagg tgggatgaga cgcacttaat catgatgagg attaatttag atattgggtg 240

tgatagtgtc ttgagaattg ttaagcacta ttatgtaata gctatttgat 290

&lt;210&gt; 8271

&lt;211&gt; 178

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 8271

gaggctgtca atgggtgtag agaaatgagg gctccctaaa acaatttctt tatgtatatg 60

ttagtcaaaa gttatcatgc tgtgactata gttatagcga tgaagatgaa gaaaaggcag 120

atgctttgat cagtttactc atacaggaag ggatagacat aagtgcctc ttcatgcc 178

&lt;210&gt; 8272

&lt;211&gt; 194

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 8272

cggaggggata agaaggtaag taagataatg taaaataaaa ataagtgatc aaaaaacatg 60

taaaaaaaca aatatattta gagaacataa gttatgttct tgttgtgggtg gtggaggtgg 120

ggagttgggtg aggtggtttc atcgtcaaac gaaacagcac gaaataataa agaagaaaat 180

acaccaaaaa acaa 194

&lt;210&gt; 8273

&lt;211&gt; 258

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 8273

ttgatcgaga agatgagaat gtggcttggtg atttacaaag aatattaggc ttatagtctc 60

agtaacataa tgatcatttg aaaggatatat gaatgtgttg gataacagtt tacatttgag 120

tgtgcttctc tataacatga ttgatctacc ctaatattat gattatgtat ataaggattg 180

ggacatgtgg atcaggtgtc cggatttgat ggtgacgatg atatgtgatt atgggtgtga 240

gagtgaatat tgaaatgg 258

<210> 8274  
 <211> 498  
 <212> DNA  
 <213> Homo sapiens

<400> 8274  
 aggtactagg aaaaggcctg gctgccatcc atcgctgcct ctgaggggtgg agaaggaggc 60  
 ggggtgatgtg ctcaacttctg atcaacatgt gttgcctcct ctcagccaac ttctagctca 120  
 ctgcactcac tctggtcatg ataaatgttc gtcacctttc tgcttcattc cttagggcct 180  
 aaatcaggaa gctgttttat cgatgggttc cttttgggtc agtaaccagc tttggataat 240  
 ttctctgat tattcaagtc gtgggacagg taaactacat tcagcaggaa cttttctcga 300  
 ggagtgttat gtcatggaaa agacacccaaa cacagcaagt attttaatga atacaccatc 360  
 ccaggggggt cagtaagctc tgcctggcaa gaagacacag tgagaggggt ccacagttcc 420  
 tgatgaggggt ggggtgtgggt acttgtagac cctaacatgg gcagggtctgg gtcaccttta 480  
 gaaactctca gagaaact 498

<210> 8275  
 <211> 258  
 <212> DNA  
 <213> Homo sapiens

<400> 8275  
 ggtacatata atacagtctg tcaagagaac tactgggttaa ccaggaaaac ttggcatgat 60  
 tctcagcgat attgtgttct actgaaaggt acaggaatgc atcagataaa atataaagtg 120  
 tgatgtgctc ttgcgacagc gtcacgcatg tgcctaaga tttagttgct tggatccgaa 180  
 aagagggcgg tgtggcatta ggctcctgta ggcagtatga ggatgatatc aaatcatggg 240  
 tgtgaacctt ggctgctg 258

<210> 8276  
 <211> 242  
 <212> DNA  
 <213> Homo sapiens

<400> 8276  
 gccgccccgc ggccagggtg caatgacacc tttggggaag gaaaagaaag actaccgttc 60  
 tcacccccctg accatttgggt attagcctgg ctgccctcaa aaacttocca cgctcccctc 120  
 ccctgcgcca ccctcctaaa gatgacctgg atactacggt gcctgcccc accccagtta 180  
 gcctccccct actccctggg cctacggagc gcgcacaggg cgcattgtacc tctaagaaa 240  
 tt 242

<210> 8277  
 <211> 162  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)..(162)  
 <223> n = A, T, C or G

<400> 8277  
 tatattaata tntgaatgtc gttgtgattc ttatggtact gtgatatatg ctatagaaag 60  
 atggattgga gggtttgaat aggttatggt atagtcagga gagatagaaa tgggtgatgg 120  
 gaaatggtcg tggatatgata tgatatgtta ttctgatctt ca 162

<210> 8278  
 <211> 402  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)..(402)  
 <223> n = A, T, C or G

<400> 8278  
 atcatgaaat atactctatc cctcttctgc ttaatataga tctgatctca tactgactta 60  
 gaatacaatg atatatgtag tgtgtgagtc gtgcagtggc aaggtcagga atgatagtga 120  
 tataggatat agtcttgcg tggtgacggg atattgagtt tctattatct aacttagtgt 180  
 cacaatcttg aagaagtga tagtttgaat cagaccagtt atcattcttg atggaggaaa 240  
 agggatgatg anggtgggtg aacagcatct cctttgctgc ctctctgcct ccactatcct 300  
 gtcccatga ggagcggaag aaccgttatg actgatgagt gggtcactgc atccctttct 360  
 cctggcggtg tcttggctct agctgcactc tttaggggca ga 402

<210> 8279  
 <211> 274  
 <212> DNA  
 <213> Homo sapiens

<400> 8279  
 tgtattgaag taccaaatct attgatgttt ggtgctgata aagaatgtag actgtagaga 60  
 ctgacagtaa ttacttggtc tacttaatga tgtcctatgt tttattctac atgcaaaaag 120  
 aatgattgat cttcgagcat tgtaaagtgt tgtgggcggg aattattgtg gacagatgat 180  
 tcttgatttt gagtctatac agatgtgcat tattgctgtg gaaaggcacg aggcagctgt 240

gtagctctta taaataagga tcaaataatta gctt 274

<210> 8280  
 <211> 194  
 <212> DNA  
 <213> Homo sapiens

<400> 8280  
 gtgatgaagt taaaattatt gagtgggtgc agaataagag tgtatacagt agagaataga 60  
 agtaataata tggcttactt aatgatgtcc tatgtaatat tcgacaggca aaaagaatga 120  
 ttgatcaccg agggatgata aatgttgtgg gcggttaatta tagtggacat atgattcttg 180  
 aattagagtt atgg 194

<210> 8281  
 <211> 178  
 <212> DNA  
 <213> Homo sapiens

<400> 8281  
 tttggatgta ggacaactca tttgagaatg gtatgatgaa tggattgaat ctactgggtg 60  
 ataaatatgc atacaagtga ccagctactt ggcgtcaatt caaaatacta ttgataatat 120  
 aacaaatccc aagatggcat ggtacagaaa agtggatgat gtgcatactt aatgttca 178

<210> 8282  
 <211> 162  
 <212> DNA  
 <213> Homo sapiens

<400> 8282  
 cacagcagag ggcaagcggg cacgacgaag agacaaaaga cacaaaacaa gaaacacgaa 60  
 accaaaaaca acggccaaac gcaacacaac acaccaacac aacaacacac acacacacaa 120  
 aaacaacaca acgcaacaaa caaacaacaa caggacacag gc 162

<210> 8283  
 <211> 242  
 <212> DNA  
 <213> Homo sapiens

<400> 8283  
 gcaacacgag ccccatcac acagcaccgg ggcaaagcgc agagccggac gggcaccggg 60  
 cgaccccgcg ccccgccgca gcaaaaaaca ccaaacacgg gcaaaaaggag accctaacaa 120  
 gccgagaagc aaaacgtcat cacacgccac cccctgcgca aaccgcggg gaggagcaca 180  
 acaagaagca ccagacgcc ccagccaacc cccagagcc ccgtaacaaa cggccagaga 240  
 gg 242

<210> 8284  
 <211> 530  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)..(530)  
 <223> n = A, C, T or G

<400> 8284  
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 ataatgttct acagaaagat catgccaaga ccagtgatcc angaagatca tggaaaataa 120  
 tgcacatcag tгнаааааа gaacccatag agcttaaagt tgtgtctgtg acaggattca 180  
 ctgcactgtt tacttgggaa gtggaaagga tgggctatac cattaccctc tgggatttgg 240  
 agaccaggg catgcagtgt tcttccttg gcacaaagtg tattcctgta gacagtagtg 300  
 gagaccagca gctgtgcttt gttttgacag agaatggact ctctctgatt ttgtttggtt 360  
 tgactcaaga agagttttta aacagactca tgatccatgg aagtgccagc actgtggaca 420  
 ctctttgtca tctcaatggc tggggaaggt gctcaattgc catacatgca ctataggccg 480  
 ggatagaaaa tcgtcagctg gacacaggaa atttcttttt ggagagcaag 530

<210> 8285  
 <211> 306  
 <212> DNA  
 <213> Homo sapiens

<400> 8285  
 acaccaaaaa gtaaаааааа aaagagggcc gaacaacagt cataatgata aggtctgaga 60  
 acaaaatcag gagaggatag tgctaaatgg ctgacaggat attagccata cgacattaac 120  
 tacatctggt gaggaggcta catgactgga gaggcagcaa acaactggaa gccaaagaac 180  
 acctcaatgc atgactcaga ggggatagca gcagaatata ctgcaccctc ggatccgaac 240  
 taacatcaag gatataggcc taaagaggat ggagcttcta agatgttatg aactggtacg 300  
 agagca 306

<210> 8286  
 <211> 194  
 <212> DNA  
 <213> Homo sapiens

<400> 8286  
 tgagaaggcg ccgggcccgg gactaggcgt gagccgggga gggtagactg gggcgcagct 60  
 ctgcggcact cgtctggtgg taataaataa actaaaccat gggtcacaag gtacgatccc 120



taatgaagct ccgagtagga caaaaatgct cgatgatgat gtcacttcct tctgttgcca 180

gaacttttgcg tcgt 194

<210> 8287

<211> 178

<212> DNA

<213> Homo sapiens

<400> 8287

cagttgcagt agtataaatc cgaccgtgcc tggcccagca ggacccccag gtggacctgt 60

tgacaaaaac accagcatct ggggccgtgt agtacaggta ccctgtctga acgatagtgc 120

caaaaaactg caagtaagta tgggtgggata tagacccac cccactaaca cagtgttt 178

<210> 8288

<211> 194

<212> DNA

<213> Homo sapiens

<400> 8288

tgtggtggct gtataggcaa gttctagcag cttctctttc cgacagggtcc ctttccaata 60

ccaaccgctg gttgctcacc tgcattaacc acccccacgt gcggtctgtc ttgggggaag 120

tggaaatggg tggagatgat ggcctgagtg ttggatggtg agaaaagggtt tgtcgaggag 180

gacgcgtagg cgta 194

<210> 8289

<211> 210

<212> DNA

<213> Homo sapiens

<400> 8289

agcttttgtt tttttttttt ttttttttgg gaagggatga tgtgattttt tcttttataa 60

catgattttt aaagacatta tgcattgggg taacattccc ttgaaagggg gcttgcaagg 120

gttatgagcc tctagccgag ctggaatctg gaggaagagg cagagaagct tggggaaaaa 180

gaggcagggg aggagggggg gggcataagg 210

<210> 8290

<211> 162

<212> DNA

<213> Homo sapiens

<400> 8290

tgggtgataa gggtagatgt attattattg tttttgattt tgatgttgtg ttttttaatg 60

atttgattat agggaaatat tatgtaaaat aagtgtggat aacaagtatt gaatagggaa 120

ggggatgggg attgtggggg agagagtgg ttgatagtga gt 162

<210> 8291  
 <211> 162  
 <212> DNA  
 <213> Homo sapiens

<400> 8291  
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 atttgttggt gtgttttagga ggtaaaaata atataaatga aagagtggaa gaatagtaaa 120  
 agtaaggggg aaggagggat aagggattgt ggtttggttt gt 162

<210> 8292  
 <211> 514  
 <212> DNA  
 <213> Homo sapiens

<400> 8292  
 accgtttttt tttttctaga gtcagtaaata ataagcttga gttgaaagac tttacttatt 60  
 cctgctgcta caatttaatt ctctaataat aatattatat tcagagtatg gcttattaag 120  
 tacagggccc acatattgaa ccaagttcat gcagatttgg attgaagtta atactaacc 180  
 aattacaggt tgactataac ttgactctta aatttgatat tatcttcaaa attataaata 240  
 gattacagag atttagaact gggtataatt tagtaagatt aactttgcag tgtagaatt 300  
 tttagcaaca aattttttaga atttttttag caaaaagagg aaatacacat taacaataaa 360  
 atatgctaga ctggctctgt tggctgaaca gagcatcatg tggttaaaga actgtagaaa 420  
 cgggcttacc aagggttgaa ttctaccac tgctctccgg tgatgtagct gtgttatcct 480  
 ctctgctgta ttctcgggtt ctcttagggt catt 514

<210> 8293  
 <211> 210  
 <212> DNA  
 <213> Homo sapiens

<400> 8293  
 gggagcgcag ggagctgacg tctttccggt acaaccctga gttctactct ggcattgggg 60  
 actgtgaggt acacatactc aggtccaggg atggaggggt ggtcaggac gctataggtg 120  
 accttctggt tgtatatacg ggtgtgtgct taacagccaa agtttacctg agtccgtttt 180  
 cttggggtga tgaacagatg ctgtcttgcc 210

<210> 8294  
 <211> 242  
 <212> DNA  
 <213> Homo sapiens

<400> 8294  
 tctggagtcg gcaggatagc gggaacagcc actgggcttt ggggaaagga ctcgattagt 60

agatcgagag tattcgtttc tatgcattat caccagcgcg gcatgcatat gttctagggg 120  
 cagatcattt tatatatctg agttatttag gttgattcat tgcagggggtc tagttacatg 180  
 gaatgagggt agacatgagt tctgtaatta catgagagta ggtaatgggg ctttcttcag 240  
 ag 242

<210> 8295  
 <211> 258  
 <212> DNA  
 <213> Homo sapiens

<400> 8295  
 gaggtagcat acattaggat agggatggat gctagtctaa gtattgtoga tgtgcttact 60  
 actacctcct gtgatcgtaa aggtgattga tatataggag tggctcttgc atgtacgtgt 120  
 atgagacaga gtggatgggtg aggttaagaa gatggacctg ttgcgcgccg ttttgcacat 180  
 ggtatagata gatgggtgatg agtgcagaat aatctgatgc ttatgtgaat gagtacgagc 240  
 tggatttgta cagccggg 258

<210> 8296  
 <211> 354  
 <212> DNA  
 <213> Homo sapiens

<400> 8296  
 ggcgcaaggc agcactgggtg gtgcggcat tcgagaccct gcgctaccgt ttcagcttcc 60  
 cacaattgaa ggtggagctg ttggcggtgc tggatgctgg cactctctac accttcaggt 120  
 accacgagtg gtcccgaggc ctgcgcatctt acagactatg cccgctggcg ggaggctcag 180  
 gtcccgtagc gtgtgcaatg ggcggcccgcc tatgaactct acgtgggtgg gccacgagac 240  
 tgtccccgct atgacctctg ctttgtgggc ttgggctgga acaaagtggc ccacattgtg 300  
 gagctggatg cccaaagaat atgagctcgt ggtgctgccc gagggcctcc gcat 354

<210> 8297  
 <211> 162  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)..(162)  
 <223> n = A, T, C or G

<400> 8297  
 aaaanaagta ccacctgagt cagtgagggc cacagattgg tattaatgag atacgaaggt 60  
 tgttggtggg tgggtgtgtg ctggagctaa gtggataaga atgtagtggg agtggaggta 120

agaatgggtg ggggttaaagg aaggggggatg ggagggcggg gg 162

<210> 8298  
 <211> 354  
 <212> DNA  
 <213> Homo sapiens

<400> 8298  
 tcaaattgtag agtagagagg gaaggggaagg agaaggtggg aagtgaaaaa agaagatgaa 60  
 aggaggatat agagcagaaaa aaagaaaaga tgagtatttg tgaaagggga ggaaaaaaag 120  
 aaaaaaagat tgaaaaggaa gaggatattat tgtatagaag taattgaatg aggaaaatgg 180  
 tgtgtttgtt tgatttagat ttgtatatatt tagtaaatta tagttggggg tagagaattt 240  
 gtatgatata ggatgaacaa aaaaggggta gagagagtta tatgtcataa ttctgaattt 300  
 aattgtgggtg tggagatggt aattaattat ataaaggaga aaataagttg ttaa 354

<210> 8299  
 <211> 194  
 <212> DNA  
 <213> Homo sapiens

<400> 8299  
 tcagtgtatg acccgtgagg tgcctgagcg tatttgacgc gtttctgatg attctgcggg 60  
 aacagtgggtg catgtgccgc tagaccggcg agctcggcga cttgagtgat gacgacttgg 120  
 acgtgggtgac caacgacaaa gagaagtgtg agacgttagc cggacacgac tgagccagga 180  
 gggaggtggg gttg 194

<210> 8300  
 <211> 226  
 <212> DNA  
 <213> Homo sapiens

<400> 8300  
 tctgggtact atgtgacctc agggagaagt tagtaagata ttgtgcatac acgttatttag 60  
 atgggctgac aagtgcatac aagtgataaa agaaggggtga gaagagatgt ctgaatccag 120  
 aatcgaaggc gatcaagaat tactgaaagc agttgagcga ggagaggtag gtttgatgta 180  
 gccggcagaa gaatcgctat ttaggaaacg gcaaactggg agtcgg 226

<210> 8301  
 <211> 533  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)..(533)  
 <223> n = A, T, C or G

<400> 8301  
 tacactacac cagccgccag ctctgcccc aagacac catggagttt ggccgagact 60  
 tccggatcaa gcactatgca ggggacgtca cgtactccgt ggaaggcttc atcgacaaga 120  
 acagagattt cctcttccag gacttcaagc ggctgctgta caacagcacg gacccactc 180  
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&lt;211&gt; 370

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

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&lt;211&gt; 434

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 8311

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&lt;211&gt; 482

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

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gttacataaa ttgaagatga gtctctctc cagatgcatg gtccgtgaag aaatttaata 420

gcaaagacga gaagaagata caagtcttta atagtctctt gggatattttc tcacccaaac 480

ag 482

&lt;210&gt; 8313

&lt;211&gt; 466

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 8313

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tgtcagcagt caggatgtct gcagatgggg aattagaaat ctgtcttagt gttggtggga 240

gccagttcaa aagagacttc agaaggattg atggtttaga cggggtatct atataggacc 300

tgttttagatt aacttcagtg gaatgagggg tgatgtatta ggataatata gttagctgta 360

accagcaact gagctgtaac aaagccactg acacttctca ctcatattct atagtccagt 420

gagggcttag gggacagggg gtgctctgct ccctccattc tttctg 466

&lt;210&gt; 8314

&lt;211&gt; 322

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 8314

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546

&lt;210&gt; 8320

&lt;211&gt; 274

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 8320

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cacacagcgc tagtgacaga tggagacctc atag 274

&lt;210&gt; 8321

&lt;211&gt; 290

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 8321

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tattacttaa agtcttgtga aaataacact tcttcttgct tgtacctggc 290

&lt;210&gt; 8322

&lt;211&gt; 242

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

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caccctctga gggaagggtt ggcttgtaaa acagcacaat tcggagtggg atgggaaggg 240

ta 242

&lt;210&gt; 8323

&lt;211&gt; 226

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 8323

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 actatatctt catcatgttt tcatttttat ttgttccgaa gctcccggaa aatctaactt 120  
 gctaacaatt atttaaaggg aggagagagg aaagcaggag cagctgcagg aacagcagca 180  
 tttttgggta cctgccccggg gcgggcgctc gacaatcact agtgaattc 229

<210> 8332  
 <211> 370  
 <212> DNA  
 <213> Homo sapiens

<400> 8332  
 ggtcttttgg tgggagttga gcgcatcaat ttgggggtgg gtatgatcca tgtttataca 60  
 cattcatgct tccataatgc ggttgctata gggatacgag tgactttcgt gaggccaat 120  
 ttgacatcat gtctgggcac aagatcttta tgtgttctaa attgagagga gatgatctat 180  
 gacatccttc acttttatcg ggtaatacta catgtatagt tcagtaatgc gggaggggtct 240  
 ctatagacat tttgaatttc ctagcataat gtctcaggac cgtggtgaag cattatatgg 300  
 tttttccaat acatggttgg gacgcaaggc ggcgtgtcac gtacggccac aggcagttca 360  
 ttgccccgggc 370

<210> 8333  
 <211> 530  
 <212> DNA  
 <213> Homo sapiens

<400> 8333  
 ttcattgatgg gttactcttt tatgtctgaa ttcattgttta tatatgcgta tagtcatcta 60  
 tcgtatatct ataattatct ataatatgtg ttatctgcag tgataaatta tgatcttgat 120  
 gtcggtggtg atgattaatt gtgtgactcg tcattactat gaagatgatc ttgaggctgg 180

tatcgtctgt gcatgaaggt gattgagtgc tgggtgcacag gatttttaaag atggctctaa 240  
 agtgtgcata gaggttggtg ttcagacaaa atatgaagat gagctagggtg atcggatgat 300  
 ggaaatacac ttgtggagcg tgattctaag actgaagact cgcttgatga tatcctctaa 360  
 gatgaacgag tcgatgctga tctccgcgtt ctcaggggat cactgagcga tgaagacag 420  
 gatgagggtat gagtgtggtc tcgacggccg gtcggtgctg gtggccgttg ggatgtgaca 480  
 gcctggagat gatatgtgca taacgagatc cagatgacaa ttccaggetg 530

<210> 8334  
 <211> 306  
 <212> DNA  
 <213> Homo sapiens

<400> 8334  
 gatgtggtgg tgggtctctat tgagcatgtg catgcactcg tgtagtactg gaggacacag 60  
 tagctctaca gcgtcatgtg gcagaggata atgatctggc tagttgtgtt ttatagaagc 120  
 agctatctaa cagctctcga ctgcgaaga cgctctgtcg ggattggctg taagcactac 180  
 ggatgtcaca tgggtgtagtg gctggtctgc aatgagtggg gctgatggct ccctgtgggt 240  
 acgagtctgt attcctattc accgaagggt gtgctggagt gtctgtctgc tgtctattaa 300  
 tacacc 306

<210> 8335  
 <211> 178  
 <212> DNA  
 <213> Homo sapiens

<400> 8335  
 atacaaaacg cgcaatatct aattatgaac agcgttaa at ccctatcaaa gttcaa atga 60  
 aatgtgtggc ttatagtgtg aatgcacaga tatatagcca tatcatgtca tgttgtgtgc 120  
 ggagttgggg tgggaacacg cagaaccgga gccacgtcag ctacacctca aaaagtgc 178

<210> 8336  
 <211> 162  
 <212> DNA  
 <213> Homo sapiens

<400> 8336  
 agaggggaaga ggggttaaaga aagatgataa gaggatcaat aaattaattt tatgaaataa 60  
 aattaggtca taggggtatg gaggaaataa agaattagat gattatggta ataatgtgta 120  
 aaaatgtgat taagtgtaaa gggaggtatg atgagaggat gg 162

<210> 8337  
 <211> 338  
 <212> DNA



<213> Homo sapiens

<400> 8337

```

tgataagatg tgaatacata tagtatcata ctatataaat aattcttggg gtgtactatg      60
tgcacaacat taataagtat atgggaacat gttcggctta tgctgcgttg cgatatattg     120
tgatacagag ggatctacgt ctaggtatgc tgatggaact agtacgagtg atgctcatat     180
gaggtctgcc tagcgtccat aggcagctcc acatgtacat tcaactgaaat gttgttgtga     240
tatctgcact gaggaagcgc gtaggttata tgactttgtc atattttggc gtgtataggc     300
ataatggaat tcattcagtt tagtgcagga aagcacac                               338

```

<210> 8338

<211> 610

<212> DNA

<213> Homo sapiens

<400> 8338

```

ctactttgta tcactctctc tattattttg aaagactggt taatttttca tgtcttacat      60
tcccaactaa agacctaaaa ttgttttgta tcccactca aaatgcctta cagaaaatac     120
aaaaatcaat ttgatcggtt ccttaattac aggagtcatt gcaattagtt acataatttg     180
actcttggct atcagagtta cattatttga acttaaataa ccatcttcct gtaactgaat     240
ataatttata ttccctatct ccagtaatta actggcataa aatacagaaa taccaacaac     300
aagtagtgta cccactgggt aaagtgcata gactctgtgg ttagacagac tatataggat     360
tgctgaatca gatactacaa tacatagcag tatgacctta aaccattgta ttaagtcac     420
taatcttcta taccctcatt gtcaaaaaat tcgtgtatca gctacgtacg aatactagt     480
tatgaccttc cacaatcggc ttaagctctc tactaatcaa tttactcata gtacaaaatg     540
gggaagaaaa cagtatgggtg ttcggaacgc acacagtgac tgatggagag tatgtgctag     600
ggagaaggga                                           610

```

<210> 8339

<211> 194

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)..(194)

<223> n = A, T, C or G

<400> 8339

```

tgaaagctat ataattagac attgtaaatg ccttagataa tttatgggna ttttatctga      60
agaggtaata tgacatattg gattactttg tgagtgtgaa tataaagata agagaaggat     120

```

gagagaagga tggatgatg agggatgtgg atgagaaaga ggaagagtgt atgagagaaa 180  
 tgggattaga gaaa 194

<210> 8340  
 <211> 210  
 <212> DNA  
 <213> Homo sapiens

<400> 8340  
 ctgacatcac cgactcatat gcttattacc accctgcttg agcaggctgg ctcccaacgg 60  
 agatgaacga ccgtgttcct gcctgggtgt tattcgacat gctcaggact gcggggagaa 120  
 aggatgagat ccagcaggga agaactgcct gctgccagca cgcaggagag ggtggggctg 180  
 ccggccatta tgtccatacc aacacaatgt 210

<210> 8341  
 <211> 338  
 <212> DNA  
 <213> Homo sapiens

<400> 8341  
 ggtactcatg gatccatagg aaagcatgtc agtgcctggg gccacacta tacatggaat 60  
 tgtggagtat gaggaatatg gcacgaccct acctcttctt aagacagttg cagttcacag 120  
 ggagaggagg aagatacatc aataacccca aagtccatga aggtgcaaag agttatgtgg 180  
 ggctgcccag gcagagggtga caaatgccca ctggtgacaa gacactgggtg gacatagagg 240  
 gaaaagccca catagaaagg tttccaggca gacaggaagt caaggcagtt ggggacggga 300  
 agtcaaacaa gtgatgctgg gacaccgctt tgatgggt 338

<210> 8342  
 <211> 322  
 <212> DNA  
 <213> Homo sapiens

<400> 8342  
 ttcctgataa aggggacttt ccatgccgtc aacagggaag tatctgaaca tactgcctta 60  
 taccgattgt actcactata taaggaaaat ggggtgcagta gtgtgggtca ctgagtcggg 120  
 tgggaacaat gatgggtgcag ataactgccca ggagtaactc attctgggtga taatagatgg 180  
 gacgtgtgca gcaacacaaa aataagccga tgaaagaaaa gtcctcaata gagtgtgctg 240  
 tagtgtactg ggcaccagta ggctgggtgc cccttggtac atgttacctt cggcacgcgt 300  
 accatcgctt attcagtaag tg 322

<210> 8343  
 <211> 178  
 <212> DNA

<213> Homo sapiens

<400> 8343

tggtccagaa gttataagaa tgatatacta tcgattttta gaagatggat gaaaaagttg 60  
tatgctgagt catacgaatg aatgaggtag acatgggaat gtaagtgtca ccatgttgtg 120  
atatgtgtga tcttagggta aagatgaatg aaatatagtg agtatgctcc cattcttt 178

<210> 8344

<211> 160

<212> DNA

<213> Homo sapiens

<400> 8344

acctagaatt aaaaccaaga ctctgtgatc agaaatcttc aggcccggtc ccttggtgccc 60  
tgtagacaat gaaccaaag atggcgagtt caacagtggg acacaggctg ggcagatgg 120  
ctcatggctg tatatcccag cacttttagga ggccaaggta 160

<210> 8345

<211> 194

<212> DNA

<213> Homo sapiens

<400> 8345

gaatttagta aggctttggg cataatgaat tagaagcggg aagaggattt gtgcagataa 60  
gttatgcttc ggggctactt ctcccatcaa gtcaaacttc gtctgaattc tggctatctc 120  
tctagccatg ttgcttcgc ctctcaaaa ttcaactggg tggttgaatt tagactccgg 180  
gttctaattc tggg 194

<210> 8346

<211> 226

<212> DNA

<213> Homo sapiens

<400> 8346

caaaaattgg gacgaagaat gatgaaaagt aaatttagaa tgtgctgtgc cgagaatgaa 60  
agaaaaagca gcgtggggtc tgcgtatcca gactggggga gtggagcagg aaatcactta 120  
gccagagtg gcgagaacc taaaaataaa aataaaataa aataataaga aatggagcag 180  
aaggcggtca taggagccaa ttttattaac taaaccaaac ccatga 226

<210> 8347

<211> 546

<212> DNA

<213> Homo sapiens

<400> 8347

ttcagagcag actaacgtgg gctgccatta tttctattta tatgtataag agtatgtctt 60

```

cgtgatctgt ataaaaagtg atcgtgtgaa agatgctgat tgtcagtatg ttatgtcaat    120
gtaatcaaac ataattgata tctttaatgg tgtaggagat gggattgttc tttgttaggt    180
gatgatactg tcagtgacat acaaaataga tgaaagatta atcaatcaga cgaaactacg    240
cttatcacta atgaagaaaa tgtgaactgg gggttgaaca taggcgtgag catcgggtgc    300
cttgggtggc ataatagagg tatgatgata gtgtggaggg gatagctgat ctggatcatg    360
acttctgtgg gtaggtgtga agatgtgttg tgtgctgaca tcgaactcaa tagaaatgag    420
gatctgattg tgctattgat agagtgtgtg aggcgtgagg atttgctgat tctctgcgct    480
gaagagctgt gctgatgtgg gctagttaac ctgtggagac atgcaggctg caatgaatgt    540
gggcaa                                                                    546

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<210> 8348
<211> 354
<212> DNA
<213> Homo sapiens

```

```

<400> 8348
tgagtacttg aaaaaatgaa agtgagagat gtaatactgc tggagacaag tgggtctactt    60
ttactttctaa cttgtaatca atgtgagcga tgatccatta tcatccaaat agagtgtgga    120
gactatcgga ggatacgtga gtgtcaagta ttccaatagc aattaaaaca aatgacatga    180
cttcgagaca gctgactact tatttcggta atgtgatttg aatgtgcctg gcagtcgcaa    240
tatatgagat cgttcacgtg atggctgatg tgtcgccagc atattatata gggtagcgaa    300
aatggagtga gatgctgttg ggaggtcgat gagcatgtga ttaatggttg tctg      354

```

```

<210> 8349
<211> 162
<212> DNA
<213> Homo sapiens

```

```

<400> 8349
tttttttttt tttttttttt ttttttttgg tgttttgtgc ttttatttta cgaaaaagct    60
aatggcaaaa tctacattta aactatagat gaatccaaag cctttagtga gagaaaggct    120
ggtaggggtg gattacataa aatggaccag tgggcatatc tt                        162

```

```

<210> 8350
<211> 210
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)..(210)
<223> n = A, T, C or G

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<400> 8350  
 ttngtgaggt ccggagggta catgctgtag tgcccaaagt tgttgctgctt tttttattaa 60  
 gtatagccag ggattacgta ggttcaaggt cccaccagat aatgtcctta atagaaatta 120  
 tgttaaacad ttatatctct ctacaaaata ccttattttc ccaaataaag attaataatt 180  
 aggcaggtat taggagaatt aaaaaaactc 210

<210> 8351  
 <211> 162  
 <212> DNA  
 <213> Homo sapiens

<400> 8351  
 gctatgacag aatcattgta tgtgagctta aggtctctgc ataaaactga agttaagtag 60  
 ggtagcctgc ccgccaccat gagctgactt gaagagctac tccctgcgtg taagtatctg 120  
 ttggcacagt atgtagtggg gcgtacgatt ccagaaacgc ac 162

<210> 8352  
 <211> 854  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)..(854)  
 <223> n = A, T, C or G

<400> 8352  
 ctcagcattt aatccaaaca ggggttctta gtctcagcac tatgacattt tgggctgact 60  
 acttatttgt taggcgggag ctctcctgtg cattgtagga taattagcag tatccctggg 120  
 ggctacccaa tagacgccag tagcaccctg aattgacaac ccaaactctc cagacatcac 180  
 caactgtccc ctgctgaggag aaatcactcc tgggggagaa ccactgaccc aaatgaattc 240  
 taaaccaatc aaatgtctgg gaagccctcc aagaaaaaaa atagaaaagc acttgaagaa 300  
 tattcccaat attcccgggc agcagtatca aggtgactt gtgttcattg ggagtcatta 360  
 taaattctat aaatcaatta ttccccctcg gtcttaaaaa tatatttctc cataaacatt 420  
 tgagttttgt tgaaaagatg gagttttaca agataccatt cttgagtcac ggatttctct 480  
 gctcacagan aggtgtggca tttggaaacg ggaataaaca aaattgctgc accaatgcac 540  
 tgagtgaang aagagagaca gnagatcaaa ggcttttagac agcactcctt caatatgcaa 600  
 tcacagagaa agatgcgcct tatccaagtt aatatctcta aggtgagagc cttcttagag 660  
 tcagtttgtt gcaaaattca cctactctgt tcttttccat ccatccccct gagtcagctg 720  
 ggtgaaggga gttatttttt caagtggat tcaaaccaag ctcaaaccag aactgaaaat 780

agagattgca ggaatccttt tctaaactgc ttgccccttt cctctcactg ccttttatag 840  
ccaatataaa tgtc 854

<210> 8353  
<211> 642  
<212> DNA  
<213> Homo sapiens

<400> 8353  
ccgaggtaca tcagcattta atccaaacag gggttcttag tctcagcact atgacatttt 60  
gggctgacta cttatttggt aggcgggagc tctcctgtgc attgtaggat aattagcagt 120  
atccctgggtg gctacccaat agacgccagt agcaccgccga attgacaacc caaactctcc 180  
agacatcacc aactgtcccc tgcgaggaga aatcactcct gggggagAAC cactgaccca 240  
aatgaattct aaaccaatca aatgtctggg aagccctcca agaaaaaaaa tagaaaagca 300  
gttgaagaat attcccaata ttcccgggtc gcagtatcaa ggctgacttg tgttcattgtg 360  
gagtcattat aaattctata aatcaattat tccccttcgg tcttaaaaat atatttcctc 420  
ataaacattt gagttttggt gaaaagatgg agtttacaaa gataccattc ttgagtcattg 480  
gattttctctg ctacagaag ggtgtgggat ttggaaacgg gaattaacaa aattgctgca 540  
ccaatgcact gagtgaagga agagagacgg aggattaagg ggtttagaca ggactccttt 600  
catatgccat caaagagaaa gatgcgcctt atcccagtta at 642

<210> 8354  
<211> 338  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<222> (1)..(338)  
<223> n = A, C, T or G

<400> 8354  
ggcaggtaca ctagaaagtc ttttacaana ataatcatcc ttagatcaac cagaagacca 60  
atcttcaatg tncgtcctng acagagatgg gttacnnttt aacatccctc ctccctggttt 120  
tcgtcccaat gttcctcctt taggtagtgg cgtggtaagt tggttggttg tggattgccA 180  
ccccccctcg gaggaatgcc cttgccata aggtgcctct gggttggccc actggtaagg 240  
tcttgcaatt atcccctggg ccaataatcc cattagttcc ccaatagggt aataccccaa 300  
gttataaatt cataatcccg ccccataggc ccacttat 338

<210> 8355

<211> 498  
 <212> DNA  
 <213> Homo sapiens

<400> 8355  
 aatcgattga accgggaggc ggaggttgca gtgagccgag atgcactaca ctccagcctg 60  
 ggcaacaggg ccagactcat ctcaaaaaaa aaaaaagaaa gaaaagaaaa gaaaagttaa 120  
 gtgcagagaa tagtgcctga cacacggtat acagtaggtg caatttcagt attagttgct 180  
 actattgtca taatcatcag agtgtttcaa gagctgtgcc tccatggctc tccacatcgc 240  
 ttcacaaaact cccctgttct gggacccagc ctgaattgta aactccaccc ccgactgatg 300  
 ctaccctata agccaaacag aatcatggct ggggtagggg ctctaccctt tgggatctgg 360  
 ccgaaccagg aagaggtaga gtggcctgga ggccaaccac aggtgattca gaatgttcac 420  
 cacgtgggtc atcctgtctt actcctgctt tacacgagaa gccaccatga ctagtcctcc 480  
 tcctgcgggg acagacct 498

<210> 8356  
 <211> 242  
 <212> DNA  
 <213> Homo sapiens

<400> 8356  
 tgggtggatg gatcagtgga caagttagtg gatggatgga tgatgaatgg atgggtgagt 60  
 tggttggtgg atggattggt ggacaagtga gtggatggat ggatgaataa gttatttggg 120  
 gagacaaatg gaagggcagg aagattgatg ctccgcatgt tcctggcttt ctgcactaac 180  
 tgtactcgac gtcactagaa aaaaaaaaaa caaaaacaaa aaaaaaaaaa aaaaaagtct 240  
 gg 242

<210> 8357  
 <211> 756  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1) .. (756)  
 <223> n =A, C, T or G

<400> 8357  
 tttctttcac ctgttttcta attagagcct cttactcacc tgtagcacga gtcatttatt 60  
 ttgtctagta caaagaatat ttccaatact catgactaaa gagctcagga gttctagcta 120  
 aagaagaatc ttgaagcatt ggagttttga aaatctgcat aaagattttg aagatttttt 180  
 aaagattcat attataacag tataccgttg gtctaatttt tottaattcta ctaaaaacga 240

```

aatagcacag gtcagatgtg acttgcttgc tttctgctcc tgtacaatcc aggagtgtta      300
atcaaaaagc aaaatttgtg acatcagttt tatttccatg gctactgatt gtaatattac      360
aaacatgaga ttactggcta gtatcatcatg aagggttaaag aagattcctc cttggatagg      420
atctccaaaa ccaacaccaa agggaaatatt atcagagctg cttccagcag cgtgtccttt      480
caaaaatgtt ctcatatttc tgagagcttt gttttatttt gtgaggggtt tatcatttgt      540
tgttggtggt taatatTTTA attttatgtg cttgtttgtt ttatttattc ctccacccca      600
ggtgaccgtg tangaaaatg gttatttttag atgtnagaag cccctctgtt aggaagcagt      660
ttctgccttc gtttaattct tcttccacaa ataagattta ttttggaact tcagtcaaaa      720
acatctgtac tttgtacagg acaaagattt ggcttc                                756

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<210> 8358
<211> 370
<212> DNA
<213> Homo sapiens

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<220>
<221> misc_feature
<222> (1)..(370)
<223> n = A, T, C or G

```

```

<400> 8358
cctaagtcac agttctgtcg gactgtgggt agaagactag gagatgggtga gtggagtgtga      60
aggaccacat gccganagaa gattgataga aaccatgggt aactgtcgaa tctgtcagtc      120
ccggcatgag tgtaattgct ttctctggag ggcttgccga ttctctccta ccagtgggct      180
atgctttatc tatcgagctt gtgcccggtc tgcatttctg attatgttgt tgtgtattgt      240
gtgtatgtat gtattcgtgg gaagagtgtg ttcattctgaa gcctgtggct gaggattaag      300
gttaggattg ggtaaagatc agaatatcac gtccagatat cgcagcgact ccctgtggat      360
agcccttggg                                370

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```

<210> 8359
<211> 626
<212> DNA
<213> Homo sapiens

```

```

<400> 8359
acactggctg ctccggcagtc acgccgggtgg ccggcgggag agcggggaga agcctgggtc      60
cgtctggctc ttaccacacc atgtctctgc ttccacatgg cagagggaca gtcagcaggt      120
gtgcagcgcc ccagctccta cttgtctcaa cagtcctaac tggccatggc caagagttct      180
gtcagggcaa tcaactccct gacacaggcc agatggacat ccgggagaaa tccatagtac      240
tgtagctggt tcagagcccc acggaattaa gtcggaataa aaccacgaga gaaagaacat      300

```



tttcatgggc cctgcacgga gcctcctggg cctgatggag aggggccccca cccagaagag 360  
cacagggctg gccccacccc ctgcaccaca catgcgcttt atcaactgaa cactcccaca 420  
gccacacgga caggattcat tcaagtctgt gtatgtctga gcgcaggaga agaggatcta 480  
ctgagctcta gctggagctt catccagcga tgattactaa tctcgtgctc caatgcagct 540  
cccatcctct cgaaggggat ggtcggcgac cggacgtcta cgtcttgggg cccgttcccc 600  
gagctggggg atctctgacg gcttta 626

<210> 8360  
<211> 210  
<212> DNA  
<213> Homo sapiens

<400> 8360  
ggctgatcgt gctcgaggag gaaaggaacc gtaggttcac gacattgggt gtatgtgctc 60  
ggctgaggag tgaatggggc gaagcagcat ctgttgggat catgagtga cggctctaag 120  
tcagaatcgc gaacagagcg gaaagatagg gcagcggcgc ggagggtcgg gtggcctggg 180  
atagcgggtc ggcgggcatg ctccgggggg 210

<210> 8361  
<211> 338  
<212> DNA  
<213> Homo sapiens

<400> 8361  
gcaggtacca aaataagagg agcgggtgca ggtaactgat atttactgaa tagtaaagag 60  
ggaagcgtga aggggccttg gagaatgggt aacagcatct gtttccagct catcacaggt 120  
gcacagcata agatgagagt tggctatgga tgggcaaata actgaaggta gatcaaagat 180  
gggtgctcag cgccagtcgg tctcatcgat gcctagctgt tatgtaatta ctggatcaaa 240  
actagatggt attagtataa gatatatgtc agataaagat agtattttaa attgtgttgt 300  
aagataagag aacacatata aaaatgtgga ttcttaca 338

<210> 8362  
<211> 578  
<212> DNA  
<213> Homo sapiens

<400> 8362  
ggtacatcag tctcagattc atcccagaaa aaagaagagc acaattattc tctttttgtc 60  
tccgacaact ggggtgaaca gccaaactaaa tgcagtcctg aagaagatga ggaggacgag 120  
gaggatgttg atgatgagga ccatgatgaa ggattcggca gtgagcatga actgtctgaa 180  
aatgaggagg aggaagaaga ggaagaggat tatgaagatg acaaggatga tgatattagt 240

gatacttttct ctgaaccagg ctatgaaaat gattctgtag aagacctgaa ggaggtgact 300  
tcaatatctt cacggaagag aggtaaaaga agatacttct gggagtatag tgaacaactt 360  
acaccatcac agcaagagag gatgctgaga ccactctgagt ggaaccgaga tactttgccca 420  
agtaatatgt atcagaaaaa tggcttacat catgggattt atgcagtaaa gaagtctcgg 480  
agaactgatg tagaagacct gactccaaat cctataataa tcctccagat atgcaatgaa 540  
cttcggaaat tgaattaggt gattattgat ctgacttc 578

<210> 8363  
<211> 194  
<212> DNA  
<213> Homo sapiens

<400> 8363  
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tgctatcgct atggctaaga atgggattaa gagaggaagt ggcaaaaaa gaatggacgt 120  
attatgaggt tttatgccgg agcgactgaa tatacaagaa tgggggagaa gaagcttttt 180  
agatgtcctt aata 194

<210> 8364  
<211> 226  
<212> DNA  
<213> Homo sapiens

<400> 8364  
cgagtactaa aatatctagt tgtttgatag ataacttaaa ctcattaatg atagatcgta 60  
aagatctata gtcagtctca caacagatga ggtattattt gtatgtaagt ttcagcggtt 120  
gtgattgggt tctcttttgg aataatgaga gaataaagtg tgtattcttg tgttttcctt 180  
gataaatatg cataagggga tgggggttaa cagtgttgaa tatctc 226

<210> 8365  
<211> 306  
<212> DNA  
<213> Homo sapiens

<400> 8365  
tactgaaaga tatagttaaa agatcaataa cttaaatacag aattaatgtt acgtaaagtc 60  
ttatgtttca catcaacaca gatgaggtat tataagtata taaaagacgg tgtgtgggga 120  
aagctagggg taagtatata aagtgagaat tcgggtgttg tggagtgagt gttgtggtat 180  
atgtgcattt ggggtggggg ggtcaagtgg tgcatagagt gaggaaacca tttctgcttg 240  
gggtaatggc acatctcctt gcgcataatg gtattgaata tcatatattc tatggagaaa 300  
gaagtg 306

<210> 8366  
 <211> 290  
 <212> DNA  
 <213> Homo sapiens

<400> 8366  
 gaggtactga aaagactcag tcagcccat catgactctg atgaaaagag aggatatgtt 60  
 cagaactatg gtcagtatct tccctgtcta agggattata agtatcttcc cctggcagag 120  
 ctgagggggc cataggtact gatctacagt gatcacagtc ttggtgtgta gagagtgatg 180  
 acagctagct cgactaggga gggagtgcc aaggtgaat atggtgagag aagcctgtgt 240  
 gctgatggat gtttactcat ctctcggac gtggacgata ttcactatct 290

<210> 8367  
 <211> 290  
 <212> DNA  
 <213> Homo sapiens

<400> 8367  
 aggtgcatat tgaggctact tagaggaatg taagacaaa tctgtgaat aataagcatc 60  
 actcagaacc aacagcgaac agatgtagtg ttgtagagtg gataagtact acaaggctca 120  
 caatactacg gattattatt attaattggc ctctgtgaat agaaagtata cggggactac 180  
 ggagaaaaga ttgctactga gtcattgatta gttataagag gatgagtaac aactacaatg 240  
 tgttctgact cattgtgtga ccagcacca tcaccattcc tatgcatctc 290

<210> 8368  
 <211> 466  
 <212> DNA  
 <213> Homo sapiens

<400> 8368  
 taccagcaga gtcagtgggg ctagttgtta tgtcctgtat cagtcactgg tgatgggcct 60  
 acctcatagg agataaagat tttctatgta gatgcaagta aagtgagtcg gtgtagacca 120  
 gaataatcct cttctaaaga agggctctatg gatgttctag ggagtatgat ctctctgatg 180  
 aaagatcaat agttgtctag agtagatatt tatttcttgg gatgttgagg tgggaggatg 240  
 gttagatact ataaggtagc gggttgattga gtgagagatt tgtcaatgca tcagacttgt 300  
 gtgatagagt gagacacttg gtctgtttgg aatctggatg atattggctg tctctttctg 360  
 atggctggtg tttctccact gtatagatca tcatgatagc atttggctga gtaatatatg 420  
 atagaagcgc tgtgcgggag ttggaggata gagatgaatc ggggta 466

<210> 8369  
 <211> 194

<212> DNA  
 <213> Homo sapiens

<400> 8369  
 gggaggtaaa ataagaggga ggaggggggtt tagggaaatt gatttttagtg gggatatatag 60  
 aaaaaaaaaa atttggaggg agaagattaa agaagttgag ataaataaaa tataaataag 120  
 tgtattaaaa agaaaataaa aaaaaatggt taaaaaaaaa agtaaaatat aaattttgaa 180  
 aataggtgaa tagt 194

<210> 8370  
 <211> 226  
 <212> DNA  
 <213> Homo sapiens

<400> 8370  
 gaggtggtgg ttgaggagag gttataaggg aaaggataaa gaaaatttat tttatttata 60  
 aaatggagtt tttcaatttt aatttggag ttagaaaggg ataaaaaaaa aaaaaatgat 120  
 gggataaaat aaaataaaaag aaaaatttag ggtaaaaaag gttggggatt ttgggatttg 180  
 ggtttgaggt tttgaaaaaa gggaattaaa tattttttta taagat 226

<210> 8371  
 <211> 210  
 <212> DNA  
 <213> Homo sapiens

<400> 8371  
 atgaacaact taaaaaaaaat acaaaacctg gatcaatggg gcttctggga accgcgtatc 60  
 ttccccctcac ccaaggcagt gggcatgaat ctacttttaa aaaatgatta attttggcca 120  
 tctgagaaga aaagagccta aaattgggtg atgcaacgag aaagtgaag tcgagggaaa 180  
 atgcagttta caagtctctg aaatctaag 210

<210> 8372  
 <211> 306  
 <212> DNA  
 <213> Homo sapiens

<400> 8372  
 gtacaaatct tatgtggtac ataataaaca ttgtaaataa ctaacattct ttacacatct 60  
 tcattggcct gtcacatctat gtttctaagc caataggtga tgttttaaaa ttatgtacag 120  
 taggtgatgt gatataataa catgaataac atagagcctc agaattaggg agtagtgatg 180  
 gtgtgaaatc gattatgggc atctgtatcc catatctgta actagatatt ttttactagt 240  
 aattcaacat gttttgatct tgaagtatat tactatagtg ggaataaagg taataaagaa 300  
 aggatc 306

<210> 8373  
 <211> 386  
 <212> DNA  
 <213> Homo sapiens

<400> 8373  
 acttttcaa at agctagttgg atagtttgaa ttgtataaca gtaatacctg gataaactt 60  
 actcgtatat gcgtgattaa tacactctga atcatataga tagtgattgt atgcatgac 120  
 tgcgagtc at tggttaagag ctgaacgact atgtggacag tatgttaa ac atggaaaaga 180  
 tggaaacacaa aagagaaaag gatcccaatg agaaaaataa gaatgattat tagtattgca 240  
 atgtgaaact taaaggggaag aaggaaaaga taaaaacgga ttggtattac tgaatcagtt 300  
 gaatagaatc ggataaaaaa caagcagggga tagcggatca gacatgtagt aaaagcaact 360  
 cgccccgatct ggccgcaaaa agcacc 386

<210> 8374  
 <211> 530  
 <212> DNA  
 <213> Homo sapiens

<400> 8374  
 atttatttca ttgctgacca ttaggttgca gcatgcaact ctcaacaatg agctgcccct 60  
 ctccactcct atagaagctc caaatactat ggtaccacta tgtaggtttt cagcctttca 120  
 aaggctttta ttattaacat catcattaca gaataaacat tgtactacc ctcagggacca 180  
 aggaagtaca tagggttggt ttcccttttct taaaatagcc ccagaattat gtttgctttt 240  
 tatagctttt ttaatctctc ttgtcacttc ttgctattaa tgggtgctcct gcctctggga 300  
 ctctgccggc cgctccacc cagacttaa acaacatctc accaattgca accggatcgt 360  
 ggggtgggact tccgctatca ttttaggctt tactaccacc atctctctgc gggcagtggg 420  
 ggcaaccgcg aagacagaat ttcacaaact ttcagctcca gcagtttcaa ggaaatgtta 480  
 aatgagaaga tggaagaccg agtgtgaaga gctaagaaaa caaaaagggg 530

<210> 8375  
 <211> 335  
 <212> DNA  
 <213> Homo sapiens

<400> 8375  
 tgaaggggtga gctcctggga cctcagacag atccttccct ctgacctgc cctggtgttg 60  
 gtatatctgg ggagtgtgtg gccagagaa gccagtgata tatccaggtc acacagcagg 120  
 cctgggtcta gcatctgtct cctggcctcc aggccattgt actctccaca gcacaagtcc 180  
 gcctctcagg ttcttttatt tacaatgaaa ccatttactt acacagttat cgctgccac 240

tgggcattct ttgggcaggg agatggagtt ttgttaggtg ggctctgcat acctatggga 300  
 actcagtgat gtaatgcaaa gaaaaataaa cttac 335

<210> 8376  
 <211> 482  
 <212> DNA  
 <213> Homo sapiens

<400> 8376  
 ggggggtggt ggggagacgg gggctttgga aaggaagcgc cggggagacc actggtgttt 60  
 tagcgagaag gggggagcct aattcaaagc cgggggggcg gagccgataa tagggtgtgg 120  
 ggggggcttt ggggattttc ggtgtggggg ggggcttcca ttttttgggg gggggggggg 180  
 gggtgagcgg cgactcctcg gaaagaaaag cgggcctggc ggggggttgg ggggaggcca 240  
 agtccggggg gggggggctg ctttttttcc cggggaaaat ggggtggggc aaaaaagggg 300  
 gggggggggg gggcttttgc cgctgggttaa tttgtttccc ttttctttta attcgcccg 360  
 gggagttttt tttttttgga gaggaggggg agtaaaaggt tatgcccag cggcaacaaa 420  
 tattttgaca gaattgcgcc gccttgctcg tgaacaaaga gaaaaagaag aagaaaaaag 480  
 ac 482

<210> 8377  
 <211> 322  
 <212> DNA  
 <213> Homo sapiens

<400> 8377  
 ggcccacccg cggctctctg ccacctgttg cgtccatca cggggccacc cttcttcac 60  
 ctccgtcctg tacaatagct cagcaaagcg gctggcggac tggcccggga tctgctgctg 120  
 ctccagccat ctacatgaca accagagcct gggaggagct ggatggcggc ctgggcagtt 180  
 gctaagccct ggaggactac tctgtgctgg ccgagaccga ggaagacagg gcttcagcga 240  
 tactcaggct ggccgacttc ggcagcgcgc cccacgactt tgagggtggc gaaggctggc 300  
 atgtggacac caggaccaag aa 322

<210> 8378  
 <211> 162  
 <212> DNA  
 <213> Homo sapiens

<400> 8378  
 ttagtttggt tgtattttta gattatggta taataatttg aaattataaa tataaataag 60  
 tagttagaaa gggtttgaat taataatttg gtgaacgggt ttaatcgata ggtgttgatt 120  
 agatgaaagt tagtagggtg atgtttatta tggttgatag tt 162

<210> 8379  
 <211> 258  
 <212> DNA  
 <213> Homo sapiens

<400> 8379  
 aaggatgcaa ctctgtctt ggatagcact acgtcttgac cttgctcaaa acgggtgctac 60  
 taaatcaagt actacacaca aaaatgactg gcaagaggag catgtactgc tggatttata 120  
 gatgatttgg aatggaattt ttacgttcta gaatccctaa cccaccagga tgctcacata 180  
 tatgtttgac atgccacaag aaagacacag acaatgaaac atcttcggtg tctagaataa 240  
 gaactggaac gtcgcgag 258

<210> 8380  
 <211> 162  
 <212> DNA  
 <213> Homo sapiens

<400> 8380  
 tattgatgag atctcccata tgatacttct cagtcatgta ccattttgga tattegctct 60  
 ttcactgtat atattgtgtc ttgtgtttgg agtgtaagtc tcagatcaga ggatctgttg 120  
 agtctatagc ataaccaaaa tggagctgct aggatttatt ca 162

<210> 8381  
 <211> 210  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)..(210)  
 <223> n = A, T, C or G

<400> 8381  
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 agactagcca ttaactgggg cctggacgtg cgcggttaa ctttggacat aaccacatag 120  
 cgataaattt tacgaccca gtgaaaacaa tgatttccat acccagctct tattccttca 180  
 ccataaagat tctgtgtgag caatttataa 210

<210> 8382  
 <211> 562  
 <212> DNA  
 <213> Homo sapiens

<400> 8382  
 ccatagtccc tgcagagatg aatccaggtg gaagaatgca gaaaagcttt agaaggcata 60  
 gatgagaaga ttagcaatga agtcttaaaa agctcaccat catatgcaat gaggagaaaa 120

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atagaagaaa ttaacaatgg gcttcataat gttgaaaaga tgttgcagca gaaaagcaaa 180
aatattgaga aagctcacga aattcaaaag aaaatgtggg acgagttaga tctatggcat 240
tccaaactaa atgagctgga ttctgaagtt caggacatcg ttgaacagga cccaggagag 300
gctcaagaat ggatggataa attgatgatt cctttcaagc agtatcagca agtatcacag 360
agagcagagt gtagaacatc acagtagaat aaggccacag ataagatgga ggaatatagt 420
gaccttctga agagcactga gggctggata gaaaatacac gtcatttgct ggccaatcct 480
gctgactatg aatctttggg ggcactgagt taccatggta gcgatgtgca gatgggttag 540
gaagaatcac cagcggaagc aa 562

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<210> 8383
<211> 242
<212> DNA
<213> Homo sapiens

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<400> 8383
actggcagct acgagcaagg ccagcccgcg cagcacctag atagaaggca cgtggctgca 60
tcccgacggg tacagcctcg cgtctttcgg gactcgcttt ctctgttcg cgagtcgtgg 120
gctctgggcg ctttatcccg aggaatacta tgacagtgga catcaaaccg agcgctatag 180
caaggcagaa cccgaggagg gagaaagacg ggagccggtc cttgaaagcg ccaggagaca 240
gc 242

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<210> 8384
<211> 697
<212> DNA
<213> Homo sapiens

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<400> 8384
tggctgcgca ctggcctga gaaactcggc aagcgcgcag tgtcgactcc ccggtctatg 60
ccaggcgcag ctgaggaacg aggtctcact atattgccc gactggcttc gaactcctgg 120
gctcaaacag tccccctgcg ttggcctccc aaagtgatgg aattacaggt gtgaatcact 180
gcatctgact atggcaagga tctctgtcac tgaggtaagt ttggcttaga gattaaagct 240
ccttctatct tgtgatgcca ccatcacaag gttctcaagg ttgttggtgg agaagagaag 300
gctaaaggag ctcatagaat gcctttaatg ctaatccaaa agtaaagag aaacttagaa 360
aaagattgcc aattccaaat caacatattt agagaaaatt ggaaaaggag aagcttacta 420
cagctttatt tgaggacttt ttaaagaacg ctgggttcta tctgtgagct gcaaactctg 480
gagcaaaaac cagagacatt gccagagcaa acaagaacag aaatacaaat ggagaactgg 540
tcaaaagaca taaccacag ttatcttgaa caagaaacta gggggataaa taaaagtctg 600

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gaggcagatg aggcaatgaa tatgaattct gagaaaagta tggattggaa attcaatgaa 660  
 ttaatttaaat gaaattaaat gtgagaaaaa agaaagg 697

<210> 8385  
 <211> 386  
 <212> DNA  
 <213> Homo sapiens

<400> 8385  
 aggtgagttg ggagtcagtt cagaaagggc agaggggtccc acaacaggac cagaacccag 60  
 cgggggaacc tggagagccc cctgcgtggg ccaacttact gttccatcgc tcacccacct 120  
 cgcgtccaca gagagccctc ccacactgcc tggcctccct ggccaccaag gcgctgccag 180  
 aagacaaggt caccagataa tctgtcctca gagagggctg agaaccaccc cggggcagta 240  
 tggaggaacc ctaaagaggg agaaagcaaa atgggtgaga gtccaaggga gggagggaga 300  
 gagagtggct gcagcgggag ctgagaggag ggaggaggct ggctgggatg cacttgtcat 360  
 gggagcaggt ccagggcggg caattc 386

<210> 8386  
 <211> 418  
 <212> DNA  
 <213> Homo sapiens

<400> 8386  
 gacaagcata agtacatact ggaattaaaa tactctaaga agaagaatcc taatgcatgc 60  
 caaataagtt ctaaataatgc taaaccagcc ttcaataaag ccatatgacc aactgataac 120  
 aacaatctaa atactataca aggtaactgg cgcaagattt gatggagaaa agaccttcac 180  
 atcaccacct cagtccttca caggccaggt cctcctctct ctgagacagt agggctgaac 240  
 ccggggacac ccagagagccc tgtaacacgc agccagcagt ctgctgagct cgttgtgcag 300  
 acgacaaagg gaacacagaa cttgggtctc aggggctggg caggcagatc caagcatgag 360  
 caattagatc aaaatagaag ccttgtttca aagaaaaaaa ttgtattctt ctaagtga 418

<210> 8387  
 <211> 370  
 <212> DNA  
 <213> Homo sapiens

<400> 8387  
 ctgatggcgg tagcagcgcc cagtcgagca cggggcagcg gctgccgggc agggctctgg 60  
 gcgcgagggg ctggggcgga aggtcgagag ggcgaggact gtggcaagggt ggggctgctg 120  
 ctggagccct catttgagat cgatgacagt gacaacttac ggaagcgggg atcaatgatc 180  
 tggacacagc aggatggtac cttgtccctg tcacagcggc agatcagcga ggaggagcgg 240

ggccgactcc gggatgtggc agccctgaat ggcattgtaca ggggccggat cgaaaggcga 300  
 accgggggcac ctggatggac tgcaagctgg tggctatgtc tcactcctaa gtcaatgcgt 360  
 gacccccgct 370

<210> 8388  
 <211> 226  
 <212> DNA  
 <213> Homo sapiens

<400> 8388  
 tactcgaatc gttgtgattg ttggctgaat gtttcaggct atatatgtaa gagatagtag 60  
 atacatgtct tattcttaac tccaagaatg cgtacttttag gtgagggtat tatgaatatg 120  
 attaatccac catgtaatca tgactatttt agggtcatta ttggcgggta tgggtgtatcc 180  
 atagtatcct ctagcttctg gcaaatgatg gtgactgctg tatcta 226

<210> 8389  
 <211> 274  
 <212> DNA  
 <213> Homo sapiens

<400> 8389  
 aatgatgttg gattatgttg cctgagatag caacagaggg ataggtgggg cggttaaggaa 60  
 ggtgtatgat cttttcgcga tggcgggtac cagtaatatc caggatccta ttatcgagtc 120  
 actcgtctac atatgtggct gagggcaatg ctgtaatgtg aaattcgact gtatgggtgt 180  
 aagataccat atgcctgcgg taacccttcg atatactctg gaatagtact gatttggttc 240  
 gtttttcaaa ggtagagctt gactcgacga accc 274

<210> 8390  
 <211> 162  
 <212> DNA  
 <213> Homo sapiens

<400> 8390  
 gtatcgtgat tgtgaacaga ttatggtgca agtgttattg aagaatccaa gtgaagtaag 60  
 ggacaggcgg tgtatcactc aaaccagtgg gataacacag gtaccacact acatattcct 120  
 tccgtaggct ggatacacca tgagtcttgt catagaacag cc 162

<210> 8391  
 <211> 194  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)..(194)  
 <223> n = A, T, C or G

<400> 8391  
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 gttatgtagt ataagactgt ttaaacctgc tgccatttga ttgacttcaa cagaanagta 120  
 gtactcccac tatcggatag ttccagttag tgataatagc tggctcggat agatgtcatg 180  
 gattcatccc agtc 194

<210> 8392  
 <211> 162  
 <212> DNA  
 <213> Homo sapiens

<400> 8392  
 ataaaatgaa tggataagag tgtggataaa ctaagaagga aggagagggg aaagagatga 60  
 agaagattag tgatgggggat aggggattga aattattaga aatgaaagag gaatagaaaag 120  
 aaaagtgaag gtattaagat tgagttgata aagtaaaagg aa 162

<210> 8393  
 <211> 258  
 <212> DNA  
 <213> Homo sapiens

<400> 8393  
 agtgtagat ttaaggatat ttatgaacag aagtaaatta gattgatagg aaagaaatag 60  
 taatggagtt tgagtaaaga aaatgaatga tgtaataaaa aaagtaaaaa ttgttgaaaa 120  
 tgtgaaagggt gagagtgtta taatggggaa tgtagatata gaggtaatat aatattggat 180  
 tagagtatta gatataaaaa atgaagtga atgaaaatta tatattaata ataggtgata 240  
 atggtagta tttgttat 258

<210> 8394  
 <211> 242  
 <212> DNA  
 <213> Homo sapiens

<400> 8394  
 ggtttgaca cctggggggg cccaaacaca gggacaaaca ttgtgtgcgg ctgtcgcttg 60  
 aagaaaagca aaatctaccg ggagggctgc gcgcagggcc ctcaaaaagg gggggcaaaa 120  
 caactttatt ttaatagggg gtattggccg gggggtgggc ttactcgagg tgatcttggc 180  
 cccgccccca cccgggatgg gccttaaata cataaatggc ctggcctttt tattgcggtc 240  
 ct 242

<210> 8395  
 <211> 386

<212> DNA  
<213> Homo sapiens

<400> 8395  
tggaggaacc tcaggaaact cgcccgaggt cacagagtgg gtaatggaga cagcaaact 60  
gtgccgacca cttagtgcac accagggtcc taagggtctc tcagaaccct gaaataatcc 120  
tgtggagcag atgtgatata gaccggtatt tcaaatgagg ggatttgggc tgagggtggt 180  
tacgggactt gcctgaggtt aactgaggta acaagcacca gagccaggat tcgaaccaag 240  
gccatcgggg tcacaggcac aactacccc ccttcctctg ctggctctga caactcaaac 300  
cgggctgcag catgggtgtg ctctttccac caagggaccc ctgggggtgg gctgtttggc 360  
ctctattacc gtccttatt tcttat 386

<210> 8396  
<211> 290  
<212> DNA  
<213> Homo sapiens

<400> 8396  
ggtttggcgc atggataatg agctggacct acatgatgaa tagaagcagg gatgatatga 60  
taaaagacgc tgggctttta ttgatctggg gctcctttcc cgggggagtc cggtgagtcc 120  
ctttccaggt gggtttgcac tcacacgagt gggcgggatt atcatccaca agctggccaa 180  
gccctacct gtgggaggct tgatggcagg gcaccatggc tgaaatacac gcttggggga 240  
acagatcaag aaagaaacta cgcacaaaaa gtgagcgggg catgcacca 290

<210> 8397  
<211> 162  
<212> DNA  
<213> Homo sapiens

<400> 8397  
tgcacccctg aacacctgtc tgggggcggg ggggtggtgg ggaggagac ctcagccgag 60  
ggactctgac gagatttggg gatgtcctac gggcaggagt cattgtatgg ggggtgtggga 120  
acagtgccta gaccacaggg cacggcctac tcagaagggtg ga 162

<210> 8398  
<211> 226  
<212> DNA  
<213> Homo sapiens

<400> 8398  
gaagagccct ctgctggcca accctgttgg aagaggacac tggggatggg agtggcgagg 60  
tgcagggccg accggagaca ccggcagaag aagagatgga gacagacacg gaggccggag 120  
tgtctgcgga aaaggagggg gatgacacag gtgccctgct ggccgacttg atcgactgcg 180

cccctgatga tgagaagcca gcacctccca tgagaccga ctcta 226

<210> 8399  
 <211> 162  
 <212> DNA  
 <213> Homo sapiens

<400> 8399  
 accaaacaaa ctacaaaagg actcatacgc tactagccgt gagagtctct cttgctgtgt 60  
 tgacgatgac gagtggtggt ttctgaacct gattgacatt gatgaaaacg gatgcatgta 120  
 ccataatgcg tctacctgac atgtgggttg cgagcacata ga 162

<210> 8400  
 <211> 354  
 <212> DNA  
 <213> Homo sapiens  
 <220>  
 <221> misc\_feature  
 <222> (1)..(354)  
 <223> n = A, C, T or G

<400> 8400  
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 agaggagacc cttccttgct tgtgtctagc ttctggtgat cgtcagctgt cctcgggatc 120  
 ctgnggttcg cggcacgtca tgaccatctt ggctgctggc accgcggggc atcctcctgg 180  
 gtcttcacac tgccttccct ccgcgtgtct caggctctaa attagccctc tactaataag 240  
 gatgccaatc actggattag ggttcaccat attctagtac aaattcatct tatatatgat 300  
 tacatactgc aaagatccta ttacaaaata aagattaatt aatagggtccc aagg 354

<210> 8401  
 <211> 226  
 <212> DNA  
 <213> Homo sapiens

<400> 8401  
 aaactaaaag ataactcgcg agggaaacca ccaaaaccac aaccctaagg gcactgatgc 60  
 aaccctcaa gaattgtagt gggaacacag gtcactgcca ccaattctcg ttgaaacatg 120  
 actcttcac ttatggaatt catatatata ttctgcaagg acgaggcagc gaaatgtggg 180  
 aagtgacgac actgatgggg aacactggga ctgaggtcac ggagca 226

<210> 8402  
 <211> 386  
 <212> DNA  
 <213> Homo sapiens

<400> 8402  
 gccgccccctg gcgaactcca ttgtcggggg gcctctacca gccgccccctg gcgaactcca 60  
 ttgtcggggg gcctctacca gccgccccctg gcgaactcca ttgtcggggg gcctctacca 120  
 gccgccccctg gcgaactcca ttgtcggggg gcctctacca gccgccccctg gcgaactcca 180  
 ttgtcggggg gcctctacca gccgccccctg gcgaactcca ttgtcggggg ggctctacga 240  
 gccgccccctg gcgaactcca ttactggggg ggcgttacga gccgccccgg gtgaactcca 300  
 ttgtcggggg ggccgtataa accgtcccgg tgaacttcat tgggtggagg cctctataac 360  
 caaccctgg cataattcaa ggctta 386

<210> 8403  
 <211> 354  
 <212> DNA  
 <213> Homo sapiens

<400> 8403  
 ccagaaaggc ccgcacctgg ggaagctggc gaacgctaac cgggaggttt ttcttccaga 60  
 cttgattccg ggatgttgag atcgttattc gaaatagact aacattcgaa tcgcctgtga 120  
 tggaaggagt ttctgcaccc gtagcctggc ctcatttatt ctgcaaagt ttattgggtc 180  
 cttgcccttt acaagatcct gtgctgtgag caagaacaag gctttcatgt ggaaataagc 240  
 cggcctttgg ttgaccaaac cgaaactcct ctgaatggaa aatcaagaaa aatttggaaa 300  
 aaataataaa atgttcaatg aaatggatat aaatatattc ttgtttaagt aggc 354

<210> 8404  
 <211> 402  
 <212> DNA  
 <213> Homo sapiens

<400> 8404  
 acagaacgag actccgtctt aaaaacaaca gcaacaacaa aaagatcttg atgcctctga 60  
 tggagctgaa catttattat acagcaacag cagcaaggat tgctgggtgg cagactacac 120  
 tgtagggcac ctgctcttct gtaagaatct gaaagacact attgtcagag ctctgccctt 180  
 ttggaatgaa gaaataattc cccacatcca ggaagggaaa cagggtgttg gtgagggtc 240  
 tggcagcagc ttttctggca cagtcgagcc ttgggagggg ctcccgcaa gggccatcat 300  
 ggagctgagc ctgccactg gggttcccat tgtctatgaa ttgtacaaga agaggctgaa 360  
 gccattgaa gctcatgcag gtcccaggag aagaaaaagg tg 402

<210> 8405  
 <211> 450  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)..(450)  
 <223> n = A, T, C or G

<400> 8405  
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 gatctggaaa cggagaaagg actggatctc caaacttgga ctgccttgga ctgacctgg 180  
 cctgggaagt gtgggtctcan gactccgagc tcaagtcagt ctgttcccc aacccccaac 240  
 ccactgcctc cgggtgagga agtgggcgag agcgccacag cgcacatagg ggtgttagga 300  
 gcgaaagact ggagacccaa ggactgtggg gctgggggtgg tgggggcact gctaccgact 360  
 aaacaagtcg gggcgggctg gaaaaacgaa gggggattcg gtgatggggg aagccaaggg 420  
 acaagggaaa aaggaaaggg cgcattcttg 450

<210> 8406  
 <211> 450  
 <212> DNA  
 <213> Homo sapiens

<400> 8406  
 ttctcttctg taccttccct gcacagcctc ctccccagcc tggatccaca gccaccatcc 60  
 catcacttgc ctgctgcaag tatcctcagc actgcgccacc tctctcccag ctggcagaaa 120  
 ccagccctgg ggaatccaac tcctggactt ctctacacct gcacacaggt tggcaggagt 180  
 tgccagaggt cttggcacag cagcctggct ggaatcacag agcaatcctc aaccttggcc 240  
 aggccctcac tgcccacctg gcaaatactc aagtgtgacc ctagtcatct ttctcctttt 300  
 ggggtgtttc agactttctc cacaagtctc agacaagctc aagtcactcc cacatgaaaa 360  
 ataaaaacgg gctgggtgtg ggggggtcatg cctataattc caacctataa aatggtaatg 420  
 gaagaattcc tgggaaaaaa aatcttaaat 450

<210> 8407  
 <211> 530  
 <212> DNA  
 <213> Homo sapiens

<400> 8407  
 gacaggacga gactccgtct taaaaacaac agcaacaaca aaaagatctt gatgcctctg 60  
 atggagctga acatttatta tacagcaaca gcagcaagga ttgctgggtg gcagactaca 120  
 ctgtagggca cctgctcttc tgtaagagtc tgaaggacac tattgtcaga gctctgccct 180  
 tttggaatga agaaataatt ccccagatcc aggaggggaa acaggtgttg gttgaggctc 240

ctggcagcag cttttctggc acagtcgagc cttgggaggc tctcccggaa ggggccatca 300  
 tggagctgag cctgcccact ggtattccca ttgtctatga attgaacagg aggagcttga 360  
 agccattga gctcatgcag ttcccaagag acgaaaaagc tgtgcataaa gccatggaag 420  
 cgtggcttgc ttagggcagg ggcggagcgt gaaaggcggc agccggtccc tatcctgaca 480  
 acaccctccc aatctgcccc attcctctat gcctctcacc tcaacgtgtc 530

<210> 8408  
 <211> 194  
 <212> DNA  
 <213> Homo sapiens

<400> 8408  
 ctcttcttgg ctgcagccaa gattctgggg gctgggggtgg cgggtggagg tggggtagga 60  
 gggataggaa aggcaccggg acaggcacgc gaaggagggg gccgcggaac aaactgtcgg 120  
 ttccagcagg ccccccacgaa accgcaagat ctgcaacaac gatacacagc aagccaaccg 180  
 acgcaggcag agga 194

<210> 8409  
 <211> 562  
 <212> DNA  
 <213> Homo sapiens

<400> 8409  
 ctcttcctgc attgtctgtg gtgtgaccat agcagattat atttggttcc tgaatgtttg 60  
 tgggtgctaatt ttctgtgttt gttccaagcc gttcagtcac gccatgcgct gcctcggtag 120  
 atggagtaat gtacaatgaa ctccatgagt ctctccaggg ctgcctgcag cacgtctttt 180  
 ccaagtagcc tattttggatt cccatctcaa atgtcctgga tgcgagcgtc agcggctcca 240  
 gagctcgggg cgggtgaggt cccctttggg gaaccctttc ctggccatcg aggtcggggg 300  
 gctgccgtct gtgggcagga ggacccgagg ggcagccagg aaaggcgatc tcttactgt 360  
 gaaaagtgtc ccgggtgcag cgccttttcc ttctaccatg ggaaatgcag gctgggccct 420  
 tggggtgagc ctgcggggct ctggtgctgt ccccgacccc caccaccaac agaatgcagc 480  
 tccagcttaa ggaagcccaa acaagccacc caggggagaac aaaacaccgc cagcgtggat 540  
 tttccaaatt tccctgggaa ga 562

<210> 8410  
 <211> 530  
 <212> DNA  
 <213> Homo sapiens

<400> 8410  
 atttttaaac atccaaatat ctgtaacatc tgttataaca cttgacatat gcagggtcaat 60



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aaattaaact attgctttgg gagaaatgtg cctgaattgt tcactataag tctctgcgg 120
gagttattca ttcaagtaaa caaaagatgg cctattttctg aaaattaaca atgcgtagac 180
tggactgtaa gtcgtgattc cgtattttct cgagttacta gctccatcat tagcaacatg 240
agaatgtgca atgccaccat gttgaagtat gattaatcaa catcttttct gaaacaaaga 300
ttttttttcc cccattgcag aatttgatac aagagggtatt ctgggttcctt ggggggctga 360
aaaaatctgg tttaacgtgg ttggaaccgg ggaattttct ggggttaagc tttttgctgg 420
gactaaaatc aaaactgcac tgcagagcag gtgagggttc atgcgcgcgc gccacaaaac 480
acacatatag agaattaaaa aaccatttgc catccatatg ggaatattta 530

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<210> 8411
<211> 472
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)..(472)
<223> n = A, C, T or G

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<400> 8411
gtggagtgtg ttgtagcatg agattaaggt tttggcacat ggggtggagt ggggaccgaa 60
tgggatatct cagttttctg ttgaagccta ctatagacgt tcctgtcatc gttegactct 120
ctctcacgtg cgcactgcc a cgtgtgatta gtatgtgaat accaccggtg tatgggattc 180
aatggatatg cttgacgtta gggaagagat acttatagta atggggagtg gacaggggat 240
cttaatgatg cgagcctgcc aggcgggaag cgggcagact tgcgggttct tcatgaatgc 300
agagggtggt gggattgggg ggcttactgc cgcgactgtc tatgggaatc ccatgagctg 360
gcctctactg atggaatatg ctgtaaagaa tgacggggta tggggatggg tanagtttga 420
aatttgaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaag ca 472

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<210> 8412
<211> 854
<212> DNA
<213> Homo sapiens

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<400> 8412
tcacctgtct tctaattaga gcctcttact catctgtagc acgagtcatt tattttgtct 60
agtacaaaga atatttcgaa tactcatgac taaagagctc aggagttcta gctaaagaag 120
aatcttgaag cattggagtt ttgaaaatct gcataaagat tttgaagatt ttttaaagat 180
tcatattata acagtatacc gttgggtctaa tttttcttaa tctactaaaa acgaaatagc 240
acaggtcaga tgtgacttgc ttgctttctg ctctgtaca atccaggagt gttaatcaaa 300

```

```

aagcaaaatt tgtgacatca gttttatttc catggctact gattgtaata ttacaaacat      360
gagattactg gctagttcat catgaagggt aaagaagatt cctccttgga taggatctcc      420
aaaaccaaca ccaaggggaa tattatcaga gctgcttcca gcagcgtgtc ctttcaaaaa      480
tgttctcatt attctgagag ctttgtttta ttttgtagagg gtttttatca tttggtgttg      540
gtggttaata ttttaatttt atgtgcttgt ttgttttatt tattcctcca cccccagtga      600
cccggtgtaga aaatgggttat ttagatggtt agaagcccct ctgttaaaga gccagttctg      660
ccttcgttta attcttcttc cacaaataag atttattttg gaacttcagt caaaaacatc      720
tgtactttgt aacagacaaa catctgcctt cctaccagag ctgctggcct tgctgatggt      780
agataaatgc attttgttct ttgaagcccc tcatagagaa gagactgtac cataagagaa      840
gccactcat tttg                                         854

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<210> 8413
<211> 594
<212> DNA
<213> Homo sapiens

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<220>
<221> misc_feature
<222> (1)..(594)
<223> n = A, T, C or G

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<400> 8413
tggctcctna gacttgttac ctcaagtaga gatgttgggt ggacaacccc attcccatgc      60
caggcattct ctccactcat caaaccacag tcttctgtctc tgttttctgt ttgttttgtt      120
ttgttttttt gagacgtagc ctgggcaaca gagtgagact ctgtctcaat aaaaacaaaa      180
catacaacta cttttgcggg atgctgtggt ttactgttgt gttgttttgg atctaacacg      240
ccctccagtt tattcactct tagccagttt ttccagccat atcttttcct tgaatatgtc      300
cagacaatat ttcatggatc aaaatattaa caaggataag atgaaaatga taaaaccttg      360
tgcttttcat tttcctacac agttttctgc atgtatcttg tataactaca taaggatatgt      420
tagctaaaaa aaataaaagt gtgtgtttgc agggaagcgg aggcgggggc gcgctggtgc      480
tgagtggagt cacagtaagg ctgtagatgg agcgccctgg gaaggggtggt ttttttgggg      540
gtttgctcac cccggggaag gaggagttag ggtttgagga tgggtggagg ggta          594

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<210> 8414
<211> 162
<212> DNA
<213> Homo sapiens

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<220>

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<221> misc\_feature  
 <222> (1)..(162)  
 <223> n = A, C, T or G

<400> 8414  
 ttgntggtga tctacattag aggggtaata ttattatattt ttcattcttc tgttatggaa 60  
 atgtaaatta ttttactatg tttcttttta tgagcattgt aaagatttta tgaatgttat 120  
 tattcatgta tgtttatgtc tatattgaga tagtatgttg gt 162

<210> 8415  
 <211> 466  
 <212> DNA  
 <213> Homo sapiens

<400> 8415  
 ggtaatatgt tggatgagac ttacatagaa ggggtatatt ttgataaata ctttctaccg 60  
 aaatggaaga gtaaataatat ataacttgaa acattttatg agcattgaag acattaaatg 120  
 aatgatatta ttctacatg tttatcgcta tcctgagatg agttgttatg ggtatgttac 180  
 agtagtaaca cttctgaata aataattgca gcattctacc atttaggttt atagggaata 240  
 gctatggagg gacggacact cttgacatga aacttataaa aggacagcgt gagagactaa 300  
 aaactacagg cttttctctc tcaagaacat agatagatga actttaaaca taatgcttgc 360  
 taactttatc ctagcgacag attaaaagcg ctttggggcc tccatctttt tttgttggtg 420  
 gggctattgt tgcggttggg gtaggcagca acccagtctc cttctg 466

<210> 8416  
 <211> 226  
 <212> DNA  
 <213> Homo sapiens

<400> 8416  
 aataggcagg ttatgtggct tattactggg gagcgaataa tgtaaacgat gagcgaggcc 60  
 ggggtgcagg ctctgcaggg ctactggtga ggcacagagt acaaattgac atttcactat 120  
 gtttgtgtgg gcagacactt ggaaggtgtc tcaccgctgc acgagtgtga aggctgtgca 180  
 tagatcattc tggcgtcctg tgttgagagc agcctaattgc tcacgg 226

<210> 8417  
 <211> 274  
 <212> DNA  
 <213> Homo sapiens

<400> 8417  
 acatgggtga aagaacatct atttagtgtg gagcagataa cagccatggt gtttgactaa 60  
 acgtgaagga aaactgctgt gaaaacagcc ctcaagaaaa cccagtaaca gcattgtggg 120

tatttttcagg tcccccttcct ttctttttaca ggatgctgga gaaggcgatc ctgtgttaag 180  
 atgcctgcac aagatttggg ggccttaaac tgttttaaga cttatgaaat gacaatgaca 240  
 gcctgttgct ttggaattac gggattttta taag 274

<210> 8418  
 <211> 290  
 <212> DNA  
 <213> Homo sapiens

<400> 8418  
 tttttttttt tttttttttt tttttttttt tttttttttt tttttttttt tttttttttt 60  
 tttttttttt tttttttttt ttttttttgg ggaggggggtg gtttttttggg gggtttaggg 120  
 ggaaaagggg gggggatttt tttttaaggt ttttttttga aggggggggt tattaataat 180  
 ttgaaaaggg gggaaagagg gtaaaaaaat ggaaatttaa aattttttta acaaatattg 240  
 gtggggccgg ggcggggggg gggggggggg ggccggaagt gacaggagt 290

<210> 8419  
 <211> 162  
 <212> DNA  
 <213> Homo sapiens

<400> 8419  
 gggggaaatt ctgagcctgt cagtttgga ttgaggtttg acttgtggaa ggtggacttc 60  
 ttgtgtattt gctgctgctg cttcatgctg gtttgtgtgg gctacctggg tgattatctt 120  
 gcatgggtgg gtgttggtgg tggaatttgg gatcacgggg tg 162

<210> 8420  
 <211> 210  
 <212> DNA  
 <213> Homo sapiens

<400> 8420  
 attatggaaa catgaagcta tttaggggtt tttttcccat aaaggaatgg aaaagtaatc 60  
 cttttttatt ggaaaaagac cattatttta aaaatttatt gtttttctgt gtataagaac 120  
 atcagttaca aatgaaatgt tatcaaatta atacctatg cttactaagt ccaccttctg 180  
 gtccttattt acaaaaaggg gccattggcc 210

<210> 8421  
 <211> 242  
 <212> DNA  
 <213> Homo sapiens

<400> 8421  
 attatggaaa catgaagcta tttaggggtt tttttcccc taaagggaat ggataagtaa 60  
 tcttttttat ggaaaaagac aattatttat aaaataaatt gttttttgtg ttatagtaac 120

atccagttta ccaatgtaaa tgtatatcca atataattat cctatgccct tatcacagct 180  
 ctactctctc tgggtcttca tacacaaata gtggctattg gttatccttt tgtcatctca 240  
 ac 242

<210> 8422  
 <211> 194  
 <212> DNA  
 <213> Homo sapiens

<400> 8422  
 gccgggtcag ggtacacctc acctacccca cctccagtca atttcatttt aagttcatac 60  
 ccaaactata agaatatgta ataaataaaa ttcagcaagt tgtatttttac ctttaaaaaat 120  
 acacctatct tcccactttt tgttaagtta tttttaacat ttttatgtta tattatattcc 180  
 tatcagtggg gaag 194

<210> 8423  
 <211> 210  
 <212> DNA  
 <213> Homo sapiens

<400> 8423  
 cgacctttat aaaataacga ctaaacctt gttgtggaat tatggtatat agctctaaag 60  
 aaaaaattaa tctgggatta tatttagagt tagtagagaa gaataataga aattttactt 120  
 tacataacta taaaacatgg tctattatta atataaggac taaaagcttt cttggtggat 180  
 cttcaacaat ttaattctgc actttatata 210

<210> 8424  
 <211> 322  
 <212> DNA  
 <213> Homo sapiens

<400> 8424  
 gaggtactgt attatgggaa aacatgtaag gctatttagg gggttctttt cccccctaaa 60  
 gggaatggaa aagttaatcc tttttttatg ggaaaaaagc acaatttatt taaaaaaaat 120  
 aaattggttt ttgtgtgtta taagaaacac ccagcttacc aatgtaaatg tttattcaaa 180  
 taaataatct atgccttagg aaagggtctac ctttctgggtt cttattaaac caaaaagtgg 240  
 gcattggggt tcccttttgt aacttaaccg ccagggggtc catttgggaa atccacccaa 300  
 tcaagtatgg taggtctggc gt 322

<210> 8425  
 <211> 194  
 <212> DNA  
 <213> Homo sapiens

<400> 8425  
 tggaccggag gtaccagggt aggtagctag atgctgcttc cttagcatcc cacctgcagc 60  
 cttgacaagc ttcaactatc cagcagctcc tataatcacia accgcaccta cacgctggct 120  
 aaggaagtta gcttggctga taacaacaca gacgaacgaa tcaacgggga gaaaccgatc 180  
 catggagcta ggtc 194

<210> 8426  
 <211> 402  
 <212> DNA  
 <213> Homo sapiens

<400> 8426  
 gtacaagctt tttttttttt tttttttttt tttttttttt tttttttttt tttttttttt 60  
 tttttttttt tttttttttt tttttttttt ttttttaaaaa aaaacaaaaa acaaaggaaa 120  
 ttaatggggg gaaggggaaa aacggggaaa aaggggggaa aaaaggggga aaaaaaggga 180  
 aaaaaaaaaa aaacaaaaaa tcgcggggggg gaccaaaggg ggaggggggg ggaaaaaaaa 240  
 aaaacggaaa aaaaaccaa accaaaaaaa ccgggaaaaa aaaaaaaaaa gcctccctct 300  
 ttcaaaaaaa agggggggga cggggcgggg ggaaaaaaaa acaaaaaaat aagggggggc 360  
 cgggaaatat caaagggaaa aatcccacaa caaaacaaac cc 402

<210> 8427  
 <211> 450  
 <212> DNA  
 <213> Homo sapiens

<400> 8427  
 agcttttttt tttttttttt tttttttttt ttgtcttttt tttttttttt tttttttttt 60  
 tttttttttt tttttttttt aaatcaatta aagaattatg aaatttattt gggtagagg 120  
 aataaccggg gcaaaatggt gggaaaagt ggtaaaacaa gtttacatta aatttactta 180  
 caattacggt ggggtacatt tttggaagg gtgggttttt aaaaaaactg gcttaaaatc 240  
 ccaaccttaa atattttgga aattaaatca ttagcttttc ttttttttta ttaaggagg 300  
 gggcttggtt ttgggtttat ttaactttta cattaatggg gcacttggtt atcttatggg 360  
 ataattcttt ttctcattta agcctcccca caaccttgga aagggattac cccattttta 420  
 tgggggggaga aacaggctta gaaggggaaa 450

<210> 8428  
 <211> 194  
 <212> DNA  
 <213> Homo sapiens

<400> 8428

ggcagaacga tctgcactct ttgttttaggc atgttggcctt gacaattaat aactttcatc 60  
 tgactttttat aaggaaacgg acatgcttgg aggctgagga tgcttaatgg aatgataaca 120  
 acacagacgt ggggtatatatt gatgtgacag tgattgacat attcagtctg tacgagatct 180  
 gatgattgaa tgag 194

<210> 8429  
 <211> 354  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1) .. (354)  
 <223> n = A, T, C or G

<400> 8429  
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 atatTTTTTTa taggaacaat accataatca aaaaaaaaaa ttgtttattg tgtataaaac 120  
 acaagccaca acgaaatgac atgaaaaaat atttatgatt angaaaggga atgttttggg 180  
 ttataaaaca aaagtggcat tggtttactt tgtaagtaac gaaggggttc atttggaatg 240  
 cagcgataat gatggagtat ggtttaccat attttttttag gtaaaaaaaaa aatgctctgg 300  
 ggcatataat ggttattttt aacgggggaaa ggggggtagt tattaatttt tttta 354

<210> 8430  
 <211> 226  
 <212> DNA  
 <213> Homo sapiens

<400> 8430  
 ttacatatgt tgtagcata agacactggc gatgtaactg ctctaaacaa aacaccgaaa 60  
 gttgtcctat gcaatatata ttattatata catatatata ttacataaa atactaaaaa 120  
 agtgaaagcc aataataaca ttggataaaa gtaatacata tctgctaagt gacaatatca 180  
 aaaaaatcaa ggaataattt tacaataata taaataaaaa gaatgt 226

<210> 8431  
 <211> 498  
 <212> DNA  
 <213> Homo sapiens

<400> 8431  
 cccccccctt tttttttttt tttttttttt ttttttaaaa aaaaaaaaaa atcatgagaa 60  
 atatttggggg acagagaaaa acagggacaa aaagtggaga aaagagggtga aaaaaaat 120  
 acataaaata taaaaaaaaa tacgtgtggg gacatatattg taaggaggagg ggttttaaaa 180

aaaacgggta aaaaaacaaa acttaaatat tttgcaaaaa aaaaaatttt cttttttttt 240  
 ttttaaaaaa ggggggggag tatttttttg gttaaaataa atataaaata aaagtggaac 300  
 ttgagtattt tatggaaaaa ttttctattt cttttatacc tcacaccacc cttgggaagg 360  
 gttataccca ttttttgggg gaaaaaacag gggtaaaaga gggaaggggg atattttgtg 420  
 cgcgcaaacg ctttatgggg ggaagatttg gtaattgaac ctataattgg ggcttctttt 480  
 taaatataaa atattttg 498

<210> 8432  
 <211> 178  
 <212> DNA  
 <213> Homo sapiens

<400> 8432  
 gctcactgta gctacagcat agcagaccag tagagccaga gaccctccat tcaacacata 60  
 atgggaacct tcctccttat aaaggcggca ggcgccacct tcaagaagcg aaaaacctaa 120  
 cgcgacgcaa aagttatcac actaaacagg acaacctccc gactccactt tgcccact 178

<210> 8433  
 <211> 306  
 <212> DNA  
 <213> Homo sapiens

<400> 8433  
 actgattgtg gcaagcatga gctatattag gggacttgtc aaatagagga gtggaatgtg 60  
 gtaaaaatga tggaaaaaga caagtgcata aaaaggaaaa tggcgtgtgt gtgtagaaca 120  
 ccagatacaa tgaaacgtca tgcataaata tctatgctta gaaagcatac ctcatggtca 180  
 tatgaacaaa agaggcattg gtgtaacttt gagaagaacg cgggggctga tctggaacac 240  
 gagaatcatg agggggacag gaaaccatc ttgactatgg ggaatgaaca tagctgagac 300  
 ggagcc 306

<210> 8434  
 <211> 194  
 <212> DNA  
 <213> Homo sapiens

<400> 8434  
 cggagtatgg agaaatgaag ctatgtatgt gattgatccc ctaaaagaat ggaaagttat 60  
 ctttagtatg gaacaacaca attatatgag aaagaaaatt gtagtctgtg tcttcaatac 120  
 cattatagat gtagagatgc gtatcaatag aatattgtat gcgttagaag agaaatacct 180  
 acattggacc ttat 194

<210> 8435



<211> 514  
 <212> DNA  
 <213> Homo sapiens

<400> 8435  
 gcacgattgt acatgcgtgg cgccaatcaa caatatataa caccgaccgaa aattattggt 60  
 gcatgatgca tgtttgtgtg gttgctcaca ctgcaaagga ctgtataata ggggatgaaa 120  
 cgggtgctgcg gtgacatgat gatggatcgt ggtgatatgc atgattgacg agctgacact 180  
 aaccatagaa gatgtggtga tggattaata tgataagtca cagacaaaga tgcaggacgt 240  
 ggtgcccgcac aatgccagct atgacagcgc gctcatgacg tgtcatatca agggatgatga 300  
 cagtgatagc cagaggggatg ctggatagca gatggaggca gggacaattg gtgaatagga 360  
 gtggagagag catagcagta ggagaactgg agaagctgcg gtgtgtctct gagtgcagct 420  
 ggaacttggga caagagatta ggcgtgaggt gaacatcata ccacctgccc ccgccagacg 480  
 tgacaatgat aagccacaat gcgtatgctc tcca 514

<210> 8436  
 <211> 322  
 <212> DNA  
 <213> Homo sapiens

<400> 8436  
 acaagctttt tttttttttt tttttttttt ttttttgggt ttaaagttaa ataataaaaa 60  
 cacatggaat aaagggggta atccatgtat tggaaacagc agaaaaagga ggaaagggga 120  
 ccatcccat aggggacact aatctttggg gtaaaactaaa ataaataagg gaaataacac 180  
 ttaatacaat aataaagaaa aaaaaaaaaa ttacattaaa aaaaaaaaca ggaacggggg 240  
 aaaggagccc gggattggga ggaaaggcgg tgcattggaaa agaactcagg ttcaggggac 300  
 cttcctggaa acattctggt gt 322

<210> 8437  
 <211> 354  
 <212> DNA  
 <213> Homo sapiens

<400> 8437  
 caagcttttt tttttttttt tttttttttt tttgggttta ataataaaaa cacttggaat 60  
 taacggggta atccaggtat tggcaacagc aaaaaaaaaa ggaaagggga ccatcccaaa 120  
 aggggacact tatccttggg cttaaattaat ataaataagg gaaataacac ctaataaaat 180  
 aatacagcaa ataataaaaa ttacattaaa aaaaaaaaca ggaacggcgg aaaggagtcc 240  
 ggagtatggg ggaaaggcgg gtaagggaaa agcatccagg ctcaaggggac cttccctgaa 300  
 aacttccggg ttctgagcag ctcaactcag tcccaggcat aacacgtacc ccgg 354

<210> 8438  
 <211> 258  
 <212> DNA  
 <213> Homo sapiens

<400> 8438  
 acctcaaact cagagtttct tcccttcttt gattttctgg aggacctgca gctggccttc 60  
 ctgagacagg ctccattcct gttccatttg ccttcccggc agccttccct ttagtgggta 120  
 taggttttga cgttctgagt tactttgtat caaagagcta attaaaaatg gtccttcaaa 180  
 aacataaaga aaaacagctt gaaaaatgta cctgcccggg cggggggggg aggggggggg 240  
 gagaaggggg ggggggggc 258

<210> 8439  
 <211> 290  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)..(290)  
 <223> n = A, T, C or G

<400> 8439  
 tgtggtcagg cttatgaata tgctcangtt taatgagatg ctctgttgta atgtgatagg 60  
 ctgtggaaac aacaatgagt ggaatgacat caatgatgcc aatgaaattg agcatgtcaa 120  
 ctagcgcag aaaaatgggc atgatcatca aagatgggtgt gacgggccat aagcgtgcga 180  
 cgggccatac aaggactttg tgccggaaga acggcttgga catggggata ggtaagcaga 240  
 tgggcatatg tgaggggaac ggtatcttgg ctgctgacat cgcgatcgct 290

<210> 8440  
 <211> 434  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)..(434)  
 <223> n = A, C, T or G

<400> 8440  
 ggtcggccng ggtcaagcct gcgtatcaga atctgagaca gcgtgttggc aactttgttg 60  
 caaatcactt ggcaactcac acatggagtc cgcattctca taagaaccag ctaagaaaca 120  
 acattaaaca acaagtcctc aaatcaggaa tggtggagtc tgggtattgac cgaattattt 180  
 ctcaggttgt ggacccaaag atcaaccaca cattcagacc tcaagtagag aaagctgtgc 240

atgagttttt ggccacgcta aatcacaaag aagaaagaag tggcaacaca gctcccgatg 300  
 atgagaaaac agacacttcc cttattacac aagggtgttcc tactcctggg cccagtgtcta 360  
 atgtaaccaa tgatgccatg tcgatattgg aaaccataac ttctcttaac caagaaaaca 420  
 aggctgtctaa ggct 434

<210> 8441  
 <211> 450  
 <212> DNA  
 <213> Homo sapiens

<400> 8441  
 gacgggctcc acaaacaatc acggtgtggc acactcaaac tcacctacgc agaacctaaa 60  
 gcgggtgtgtg aatttgaacg cggacatatg tcatattaga atgaaatata ggcatttctga 120  
 aaaattgtat ttctatgtgt agagatgaag gaaggatggg tataggctta gcttgatact 180  
 gcaaataata accagggatg ggggtgtagg attgtaaaaa caggatgat ctgattattg 240  
 taattcataa cattaggaga gagataacg actaatattg cttcaacaga taaaccaaag 300  
 aaagaaggag tgccataaca tatactctgc acacaatggg acctacagct tattaaactg 360  
 attttctttg tgctatatct gctaaatatt tgttgataaa tgtccacttg ttggtctccc 420  
 atactgtacg aatgaaacct caatttacag 450

<210> 8442  
 <211> 210  
 <212> DNA  
 <213> Homo sapiens

<400> 8442  
 ggacgtgtac ttgagaaaag aagagtaata atgaatataa cttaatcaat aaaaaaaca 60  
 aggtatttaa aaaaagaaag gaattaagag aaaatctgaa tagatgtatg caagtgtatg 120  
 cttaataatg attagagtat tatttggata actaaataat aatgaatgaa gcagagactg 180  
 aataataaaa taattaggag tagactaagg 210

<210> 8443  
 <211> 434  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)..(434)  
 <223> n = A, C, T or G

<400> 8443  
 gtaccggcct gaagataaaa tgaatgaaat aatgaatagg catatcaaat gatatatagt 60

aatatacgtg ggagcaacta gcaatgctga taaccttgaa tgatgacaaa aaaaaattgg 120  
 taaaatagaa gaataaatta ccaatacaat atactagaca ttgttaaacc acaatgggtat 180  
 agtgaatgca agaattatga gtgaaacaca cagtgaatag agaagcgaga tacgacatat 240  
 gaaaagacag tgtaattctg atggtnggta atggtgggtg ggataagact ctatgatcac 300  
 atagctgaca aggcgataat aaatgatcaa aaaacatatg gttggagacc atgcgctggg 360  
 gactttttct gtaggatatg ggagtggaca atctaggtcg ccaccgcgct aatcactaat 420  
 gtattcgcgg ccgc 434

<210> 8444  
 <211> 162  
 <212> DNA  
 <213> Homo sapiens

<400> 8444  
 acgtgtactt gaaaaaagaa gattataaat aagtataact taattattaa aaaatacaag 60  
 ggattaaatg aaagagagta gaaaggaaaa attggaatag atgtagacaa gattgatgtt 120  
 aataattgat tagagtatta tttgtataga aaattataat ga 162

<210> 8445  
 <211> 226  
 <212> DNA  
 <213> Homo sapiens

<400> 8445  
 gacgtgcaca cctgaataaa ttgtatgcta tactaacttg ccaagattac cacaacatta 60  
 aaaacatatg tatacattaa tgttctggca gtggactatg agaaaaaac tgaaatgaat 120  
 acagtgatgc atgtagaaca tgtcatgtgc aaactggagt ggatgttgag gacggagcaa 180  
 tgagaatctg aaaactcaca gggatgaaaa aaataaacga tactta 226

<210> 8446  
 <211> 242  
 <212> DNA  
 <213> Homo sapiens

<400> 8446  
 gagtgcacaa caaaaaagaa gtgtataaaa aaatattgca tgatttatta aaaataaaaa 60  
 atattagaaa aaaaaaagaa ttaaataaga atttgataaa ataaatacaa gaatacttag 120  
 acatatgata aaaatatgat tgttctacta cattctaatt aagaaaggag attgagagat 180  
 aaataaagaa ttaagagtag tgaaagagta atgagtaaga gtatgaaata gggatgtaat 240  
 ga 242

<210> 8447

<211> 162  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1) .. (162)  
 <223> n = A, C, T or G

<400> 8447  
 aagtaccaat gtgctgggag gacccaataa ttgatgcagg ggtgtggggg gttacactgt 60  
 gactaaaaaa accacataac atcataactg gaacatcact atgttgggat ctgtatctac 120  
 agatcacata aggaaggga gtcgtggaga naagcatggg gt 162

<210> 8448  
 <211> 194  
 <212> DNA  
 <213> Homo sapiens

<400> 8448  
 cagggttaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaagcttg tacaagcttt 60  
 tttttttttt tttttttttt tcccagtatt cataaaataa attttttaga ttggcctata 120  
 aaaaaaaaca tccaaccacc tttccctagg aaccttttga acaccataag aacaaaagct 180  
 ctaacatata ccta 194

<210> 8449  
 <211> 513  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1) .. (513)  
 <223> n = A, C, T or G

<400> 8449  
 ggggtaccaa tacaccgaca aaagaaaaaa agcagatggg ctgctagggt tctgctttta 60  
 aaaaatttca tataagaatt ggggttcaag caggaagcca gaacttctgc ctctgggtct 120  
 taaattaaca ttcggtgtgt aatggacaat aggcagggac tcataatttg actaactcac 180  
 atgctcaagc atgatcgtgt ccaatttcta caggcctoct ttgtaaagaa atgtgtaaca 240  
 atggggggaa agtcataatt ctacctgaaa acatggattg taagaagaaa taaaaaatc 300  
 aaacagtatg ttttaagttt cctttttgat actgtgtttc agggtaagtg acagcttctg 360  
 caaaccaaga ctcagtctg attataaagg attttttaaa ttacattatt aaaaatatgt 420  
 atttattctt ctttcacttt atctattttc caaagcctct ttcaagtaaa ctgtgaagtg 480

cctgagtacc tgcccgggcg ggngtggtgg gtg 513

<210> 8450  
 <211> 638  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)..(638)  
 <223> n = A, C, T or G

<400> 8450  
 actagaaaag cctggctgcc atccatcgct gcctctgagg tggaggaaga ggcgggtgat 60  
 gtgctcactt ctgatcaaca tgtgttgccct cctctcagcc aacttctatc tcaactgcact 120  
 cactctgggtc atgataaatg ttctgtcacct ttctgtcttca ttcccttangg cctaaatcan 180  
 gaagctgttt tatcgatggg ttcccttttgg gtcagtaacc agctttggat aatttcctct 240  
 gattattcaa gtcgtgggac aggtaaacta cattcagcan gaacttttct ncgagagtgt 300  
 tatgtcatgg aaaagacacc aaacacagca agtattgtaa tgaatacacc atcccagggg 360  
 tcagtaagct ctgcctgcc aagaagacaca gtgaggaggg tccacagtcc tgatgangtg 420  
 gcgttttgga acttgtagac cctagcatgg ccaggtctgg tcacccttaa gaacttctca 480  
 gagaaactag gaatcttcag tgaaagaact aatgttctcc tcagctgaaa ttcccttgct 540  
 tgtcagcatt tctgcaaagc tcacacttgt ttaccatac ctcccttgga tgtgacatgt 600  
 angtangaag tatgtgcang tgggagtcac ttgttagg 638

<210> 8451  
 <211> 162  
 <212> DNA  
 <213> Homo sapiens

<400> 8451  
 tacatgtcac accaccgcca tgttttgttg attgaatcgg cttgggtatg cggcctccgc 60  
 tgactgcatt ggacattgat ctgggggaga cgtgaagagg atgtaagggt ggctatgatc 120  
 gctaatagca ccgagtgccct ccttctgtga ggtgactgag ac 162

<210> 8452  
 <211> 386  
 <212> DNA  
 <213> Homo sapiens

<400> 8452  
 gtgcatgcta tcaatgtgtc caattcccac atcctgagct acgcactgga agacatgcct 60  
 aagaaaatag acgaaatata ggtacttctt gatgacagac gaagcataag ataacatatc 120

atagtataga tgaagcaaata ataacgacta aactaatctt acataacaat gcattacatt 180  
 atttgacaca catgggtcatg atgtgattaa gataagatag acaaatatga agattaaatg 240  
 acataatggg tgtgaaagaa cgaagtgaat tgatacacac actatggtaa tatctgtatg 300  
 atatacacta atactactga tcatacaact aaaacaaaaa acaaagaata tctagttcct 360  
 gcttgtcaag catgtgataa ctaatg 386

<210> 8453  
 <211> 162  
 <212> DNA  
 <213> Homo sapiens

<400> 8453  
 tgcgtcatgc ttctcagttt cttctggtaa ctaatgacca agatgaccaa tacattgtca 60  
 acaatgccat gatataagat aaggtagtag aatggattat ttgatattta ttttgtaaatt 120  
 gtgcatcttt ttcaactcaa ttttatattt ctttatgatt tt 162

<210> 8454  
 <211> 194  
 <212> DNA  
 <213> Homo sapiens

<400> 8454  
 ttacaactta taagaaaaag taaagggaaa cctcaacatg catgcaactg ccttgtgtga 60  
 ccagtgtgaag tccccccac gagctatgga ggataattta gccccggaag cgttatgctt 120  
 ttcattattc aactgttctc cccaggggtgt tgcttgggtca aaattaaatt atttccatcc 180  
 atagccaaga ttg 194

<210> 8455  
 <211> 178  
 <212> DNA  
 <213> Homo sapiens

<400> 8455  
 tttgatttgg ttaagacttg atgatatgga tggaacctca ctottaaatg cgtgatagac 60  
 acacactcta tgcaaactgg gaagtttgac agaaagtctg ggtagggaaa cacacatata 120  
 ggccttggtc atctggctag cagaactatc ctgtgttgag acaaattgcc cgtgcgct 178

<210> 8456  
 <211> 226  
 <212> DNA  
 <213> Homo sapiens

<400> 8456  
 gccgatgtac gaaggaagcc aatactacat gaggtgtaat aatgcatacc tataactgca 60  
 ctcacctcta tgtaattgct cacatgcoga ccaaggtgac aattttcttc actgctgaca 120

cttctgagtg atgatatcaa cgaatgaaca cgctgccact ctctgacaag acaactacga 180  
 atatcattat atataagaat agggaggggc tctgtttact aaagac 226

<210> 8457  
 <211> 482  
 <212> DNA  
 <213> Homo sapiens

<400> 8457  
 gaggactgtg taacatgtgt cactgggcaa gctgtgccta taatactggg gatgctgtga 60  
 gagtatgtgt ttgggtggact tgcagtgggt gtgatttgta agagttactt ttatTTTTTg 120  
 taacattttc ttatgatcat gtctgtgttg gggtgatagt gaaggatata atgacttggt 180  
 ggttgatttg tagatattgt gacatcagac gggatcacgc taatcacttt tgtattttcg 240  
 ggcgggtgta agtctagcat atgggagagc tacataagcg ttggattcat acgttgaact 300  
 attctataat gtctgctatt atagggtggc gtgatgatgg tcataagtgg atactgtgtg 360  
 aaattgttat tggctcacta ttgtatacta tataggaacc ggaataattg gtgtaaagat 420  
 tggggtgcct gatgagtgag ttaaattgca ttaattgagt tgtgtcact ggctgctttc 480  
 ca 482

<210> 8458  
 <211> 226  
 <212> DNA  
 <213> Homo sapiens

<400> 8458  
 taggcatttc tgacatttta taaacctaca tttaagggga atttttaag gaaatgtttt 60  
 ttcttttttt tgttttttga gggggcaagg agggaccaga aagttagctc ttcttatgtg 120  
 gaatattatc ataaaattac cttagttaa gcatgtttta taatctaata tttcaaagta 180  
 ttgaattgat gtctgcaatg cccatccttt cttcttagga attgga 226

<210> 8459  
 <211> 162  
 <212> DNA  
 <213> Homo sapiens

<400> 8459  
 aggtgtcaca tgtagagcta gtcataattaa tatacctgaa tgttatgtat tcatgctaata 60  
 taatataatt tgcaccaaca aaaacgtcaa acaacatatg tgtttgggag gtcttttatgt 120  
 aactctgtat ataaaatata atgcacgttt ttcccgttgt tt 162

<210> 8460  
 <211> 674



<212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)..(674)  
 <223> n = A, C, T or G

<400> 8460  
 ccatgaagtc tgtcttttgt caaagttcta tgcagtccca ggatagcgtg atagcagtgg 60  
 ttaaacacaa ccagctagtt atagctttca ttgtatggaa agacctctct ggtctggaac 120  
 tctgcctttg aaattatcca cgtagttcag aaggcaaata cttgttaaag ggatcccaaa 180  
 aggtaggaga caagtagttt ttgttatgca ttagggcaga ctttcaagca caagacacaa 240  
 aattgagcag caaatgtttg ggtagtccca tctcccttcg gtttatatgt gggtagtaaa 300  
 ataaataaaa ttttccttct ttgtctcttt cttgaaataa aatatcaggt atccaaggag 360  
 agctgaggat tctcaatttg ctagattgct ttaaaggggt cagatttaga aaattaagga 420  
 ataaatgaag aacaatttta ctggagtagg tgtggtcaat angccctttt tcattttgtg 480  
 ccattgcttt tagcacaagg atgtcaaaaa tatcacatag aatgtcatct ctgatggact 540  
 gacagagacc tctgtttgtg ctgtgttagg acatgaggct tatcccagct tggcgggaga 600  
 gaatgctaag catgatgagt gagatctgcc acaggcaogg atattttctg ctccctcttct 660  
 gtttgtttca aaca 674

<210> 8461  
 <211> 338  
 <212> DNA  
 <213> Homo sapiens

<400> 8461  
 atccatca gggtaaata cactcctgat gatgctgtta atagaaactg gggtataaca 60  
 cctccccatt aactcaagc acaatgtgtg tagttctcta ataaggagat gaattgttct 120  
 tttataccat gagagtgaca tgcacggcac acacttggtt aaggggtgtg cctgcatcaa 180  
 aaataaaata catagaatca gtgtaatgtg aacataaaat aaagaataaa tagcgtggct 240  
 gtcacatgct atttcctttt atggaagggt agtgatatgt cgtgcatgct gcgttctgca 300  
 caactggcct actgggaggg cactggtgct gcttggtt 338

<210> 8462  
 <211> 498  
 <212> DNA  
 <213> Homo sapiens

<400> 8462  
 gaagagcata ccgatctaata agtagccagt cagggttgtc cgagattgca aatactagat 60

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ctatatatca tatatctatc attatatata tgggagaata tattatggga aatatatatc 120
aaaaatctat atataataaa gtatttagta gtaatgaata tggtgatatg aaaatatata 180
tataatatat tatgtatatata tcatgatgac tgatatactg agactgtcgt actctgactt 240
atgatgcatg gctatgtgag cacagggatg tgactacggg gctatatatg cagggaaaat 300
aaggcagata acatgggtag tatgtctagg gtagtgtgtg aatcacagaa gatgaatcag 360
tgaagagata ttattgaatt gatgctattc agataatgtg ggtgtgaaca gatgcatggc 420
atcagaggca tgtctgatat ggcataatg agtgaagtga aacgtatgaa gagatactga 480
ttaaagagaa ttcatgca 498

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<210> 8463
<211> 290
<212> DNA
<213> Homo sapiens

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<400> 8463
ggtaaagcta tttgggtcga ttgttaattt agtttgcttt agagagtaga acatataatg 60
cgacaaaaga ttagtaatga gaaaatcagt atttcattgg atgtgttaag tgtcaaaagt 120
cactgtaatg gtgttgtgtt caaccggtt tttgttttga agaataatgg tgtatgtgtt 180
acatcccatt cttcatgtcc aaattttggc cgttccttgt ctcactcagc tgtgataaac 240
tggctctggag ttgctgaccg accattgttc atcgaatgag gcattatctg 290

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<210> 8464
<211> 242
<212> DNA
<213> Homo sapiens

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<400> 8464
ttgggtggtg gaggaggtgt ggggtggatgg tgggtgaagtg ttgtgtggat atgtatgggt 60
tatagagtag atgagaatgg gataaagatt gtgaattatg aggatgtgga gtagagttag 120
tataaggggt aagatgtatg aatatataaa tgaatggatt atgtgaggtg aaaatgatag 180
ataggggtatg gtgtgaatgg agaggatgta atttataaaa tgaatatggt gttttgattg 240
ta 242

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<210> 8465
<211> 178
<212> DNA
<213> Homo sapiens

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<400> 8465
gggccgaggt gcacatgtgg aaagtaggtc atgagataaa accatcaata tctaatatat 60
atgaatcaag tgtgagttca caactacaaa cactaaaaca cattattaaa aaagcttgta 120

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cgagcttttg cttttttttt ttttttgttt ttccggtcac aacgcttact atacgttg 178

<210> 8466  
 <211> 402  
 <212> DNA  
 <213> Homo sapiens

<400> 8466  
 cgcgggggag gtacacttaa acactgtgag aataacagag aaagatgagg gtttttatat 60  
 acagtggccg ctgtgtttgc ggcacttggg aatgacatgt ttgtttttac accaccgtga 120  
 gcgggacctg gaagtagagg gtgcgctgca caaggcccaa agagaatatc attacttgct 180  
 gatggtgggt cacgtgcgcc gggcacacgg ctgtggcgga gctagcgctg gccgcttgcc 240  
 agcttcacgc atgggctccc tactcctgac gcctatatgc atactgttgt gtgttgcaac 300  
 tgtgtctacc atacaatgct cggagggatg ctgggaatga cgtggtgtgg ggagacatgg 360  
 ctatgacggg tgaagattga cccatctttc cagggtggag cg 402

<210> 8467  
 <211> 210  
 <212> DNA  
 <213> Homo sapiens

<400> 8467  
 ttaccgatgc ggccgcgccg ggcgatgcac gtgatcaatc ttgtactgag gccacagggt 60  
 tgcaccagaa attctgcttc taacacttat gtctgagtc tgtcctggag agggctgact 120  
 gcacaatgat tatcttttct ttacatgtg gcacgtacgt gcagcatcag caagggtggag 180  
 gggggctcgc gctccacacg cccccaacaa 210

<210> 8468  
 <211> 674  
 <212> DNA  
 <213> Homo sapiens

<400> 8468  
 cggggccgac gtgcatgata aaaatttgtg gaaaacatgg gtccctgtata cgggggaggga 60  
 tcaactoctg acacgtaatt cttaggatca atatgttggg ctgtgctgag gctgacagggt 120  
 gatcttgggg tggtcctttt atggctcgtg gagggctctt atgggttaggc ttgcattata 180  
 ccatcagatc atagaagcgg acacattgac tcatatccta tggctagtaa ataagatgta 240  
 ctggatagtg aatctctttg gttacgcgtg acgaataact ggaaagagga gagtgcata 300  
 aatataatgc agagccatat tgtctacttg tactgcaaac ttttgatgat ctgtatagat 360  
 gaccagagca tccaactgag tgaggagcat catcgoggaa gacatgattg tcatgtcata 420  
 cgatagcagc ggagcatata aagaggatat tggcatgctc tgcgccgagt ccaggctact 480

gactaccgta tgtgatgccg actgcagggtg cgatatgatg gagagctcag ctgcggtggg 540  
 atgggtaacg ttcggttcta tagtgtcacg taaatagctt ggcgatga tggtcatagc 600  
 tgtgttgtgt gtgagtgggt atgcgctcac aaaccacaca catacgagcc ggagcataag 660  
 tgaaaagccg ggggt 674

<210> 8469  
 <211> 226  
 <212> DNA  
 <213> Homo sapiens

<400> 8469  
 cgcggccgag gtaccgggtga ggaaagtgcg gattgacact tggatgggtg taagtatgaa 60  
 tcacctgatg aggtcacaaa tacaatgcaa tcgtcaaact atttatagca gcctctaact 120  
 tgcttcatat gcttctgttt acagagtga taccgacccat ctgctgcagt gaatgtgatt 180  
 gagctctcaa ggtctgggca agaggggatt ggtgtaagtg tatcca 226

<210> 8470  
 <211> 162  
 <212> DNA  
 <213> Homo sapiens

<400> 8470  
 gggcgacgag gcctgacggg gaggaggttt ttgggtgtga tgaagattgt ggcggtttg 60  
 cggcattgga cagcctagaa gtcaggaca agtgatgact ctgtattgga aagtgatgac 120  
 gcaaggccgg gggacgcagg ggagccaac acatcagcca tc 162

<210> 8471  
 <211> 226  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)..(226)  
 <223> n = A, C, T or G

<400> 8471  
 nccgntccg ggtctagntt actgggacaa cctgntgntg gncaggnta tggcactcac 60  
 cgggctgggn taaggcacag nctgggnta actcactggg cattgggcag gctatccggc 120  
 atgggctatg gcacagcatt cctacctggc catgacctgt gcatgctagg cacagctatt 180  
 tgcgtggccc tccgctctgc tctgtgctat ggccgcgcat agcgca 226

<210> 8472  
 <211> 338

<212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)..(338)  
 <223> n = A, C, T or G

<400> 8472  
 gaaggantag caggnaccga gaggatacca gcattactga cgaacangga ccagccccac 60  
 ctggggaccct cttacccac aactctcatt gggctacacc actcagtcga ccgatacaca 120  
 ctcgacacag ggacgntagg gatgcaatga tcagacctcc tggtagtcac ctaagcacta 180  
 tctgggactg gtttggggta ggacaaaggc agcacatctt ggcaactggc acaagggcct 240  
 ctccaagctg taagggcagc tcaacagcac ctactgggat gggtcagcgc aggggctgct 300  
 ggtcctaggt actctggccc ggggcggaac gacttact 338

<210> 8473  
 <211> 224  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)..(224)  
 <223> n = A, C, T or G

<400> 8473  
 ncagntacgn cctggcgnaa ggntcctttc tggacgntca aggagnatgn aatctggnaa 60  
 aaactgtcta ttctcttagn agnagnaanaa tataccccac cttaaagtcgc agctaccatt 120  
 aacaaaaaaaa aaaattagca aagggaaga atcaatggta aggacagtaa atatactctg 180  
 agaatagagt aagtacctcg gccgcgacca cgctaatac tagt 224

<210> 8474  
 <211> 770  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)..(770)  
 <223> n = A, C, T or G

<400> 8474  
 gggncagnta ctagnaaagg nccggntgc catccatcgc tgccctcgnag gtgganaagn 60  
 agcgggtgat gtgctcactt ctgatcaaca tgtgttgccct cctctcagcc aacttctagc 120  
 tcactgcact cactctgggc atgataaatg ttcgctaacct ttctgcttca ttcccttaggg 180

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cctaaatcag gaagctgttt tatcgatggg ttccttttgg gtcagtaacc agctttggat      240
aatttcctct gattattcaa gtcgtggggac aggtaaacta cattcagcag gaacttttct      300
cgaggagtgt tatgtcatgg aaaagacacc aaacacagca agtattttaa tgaatacacc      360
atcccagggg gtcagtaagc tctgcctgcc aagaagacac agtgagaggg gtccacagtc      420
ctgatgaggt ggcgttttgg aacttgtaga ccctagcatg gccagggtctg gtcaccctta      480
agaacttctc agagaaacta ggaatcttca gtgaaagaac taatgttctc ctcagctgaa      540
attcccttgc ttgtcagcat ttctgcagag ctcacacttg tttcaccata cctcccttgg      600
atgtgacatg tangtangaa gtatgtgcan gtgggagtca tctgtcagcc tgctatgttt      660
cagagatcct gaaagtgggt tgaaacaaac aggagaggag caggaaatat ccgtgcctgt      720
ggcagatctc actcatcatg cttagcattc tctcccgcca agctgggata      770

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<210> 8475
<211> 226
<212> DNA
<213> Homo sapiens

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<220>
<221> misc_feature
<222> (1)..(226)
<223> n = A, C, T or G

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<400> 8475
acagntacga ttacagatc acggtctcaa ctgattttgg catcacaata taacataatt      60
taaagtgggg tgattttatc aacagtatct tgtttcgcaa actttggaga catgtcctag      120
actgtacctt caaactgtat tctgatctt gctggaacat gttggttgct ggcggtgctg      180
gcatgcagcc atggtgcatt cctggtgcct gaactgatag atgtgg      226

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<210> 8476
<211> 338
<212> DNA
<213> Homo sapiens

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<220>
<221> misc_feature
<222> (1)..(338)
<223> n = A, C, T or G

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<400> 8476
gnagatacgc aagnttcttt tactttcact gnaagnttct gggcgctct ggtgnttttt      60
tctntcttt tctggaacca ggggcaagca ctccggtctc ttggcttctg cgnacggggc      120
agnatctgag caatgcactt gcgactattc tgctcctctc ctgcacaggg gtaagtatcg      180

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tctctctagg gtgaaggcag atctggcatt tgtcgtcttc ttgggactac cagaccgcgt 240  
 cccttttttt ctctgctgcg tttcttttct cttccttata ctcttttaat ctctgtccct 300  
 cataacttgct tatttcatac gatgctaggt tcactcct 338

<210> 8477  
 <211> 322  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)..(322)  
 <223> n = A, C, T or G

<400> 8477  
 cagctgnaag ctccaagnca aancaatata gnaactcatc cagtgatggc tgaactgtcg 60  
 tcatcagcta aaacaggtaa gcgaaaaaga gtcagatgct gtttcgaggt ttagtatatc 120  
 ctagtaatgg ttgtcctgbc tgcaatattt gaattttaaa tataaatcta tttattaata 180  
 tttaacatta tttatatggg gaatatattt ttgactcat caatcaaata agtatttatt 240  
 atagtaatct tttgtgtaat gaatatgaat atttattaat atatggatta tttattattt 300  
 ttatatcttg tgattgtttt at 322

<210> 8478  
 <211> 498  
 <212> DNA  
 <213> Homo sapiens

<400> 8478  
 cgggtacata tatcaaagga ctataatata aacatgcacc tatggtatta tatagcaaaa 60  
 agaatctatg gggaacagtt acttatgcac acattaacat actccctgaa ttttgattaa 120  
 cacgatgttc tcatatgcat gtgatattca tctacttatt tttggctggc catagtatct 180  
 gctgcatggt atcagagttt atattatcac ctccggagat acccacctaa tcaactgggt 240  
 attgctggcg cgggtgtgagt agatcgtctg ggagagctcc catcgcgttg acatgcctcg 300  
 gtcgtagtat tctataatgt cacatgatta gctggacggt ctcatggata tagatgttat 360  
 cctgtgtgca tatgttatta gatctcaatt ccactcacac tactatcggt atgctataat 420  
 gcgtattgga tgggggagtt aatgagtgtg tctcactata cattaattgt gttgcgctaa 480  
 ctgactgatt tacattca 498

<210> 8479  
 <211> 530  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)..(530)  
 <223> n = A, C, T or G

<400> 8479  
 gncagatact gattacaaca atgccatgct ctcgcagcag actcacgatt caaggtctta 60  
 catgcccgcga acatgactca cagnaactaa aacatctaca ctgtctaaaa taagaactca 120  
 aatgtctgga tgtagagact atattgagct ggaaagtcaa taaatctttc actataacca 180  
 ccacatggca cattaatgca tcacatatca agcgtatata gtgcctgaga actgaagagg 240  
 atctgtaaac aactttcatg tgtgtaatat gactgatgta gacacgctat gcattgaagt 300  
 actatctgaa cagatggatt acctcttgtc ctagcatcat ctcgactctg tcttgattat 360  
 caactgcttc ccactggaaa catatgaagc cgtctattta tttatgtgtg tatatgctat 420  
 atgaattggt gactgtgtgg aatgcttgct attgtggcta ttattctgaa tcttaataact 480  
 ataaatatgg atctgatatg attctgcttg tcagtctcta gtgctatgca 530

<210> 8480  
 <211> 178  
 <212> DNA  
 <213> Homo sapiens

<400> 8480  
 cggccccgcc cgggcatggt tacataggca ccgagactgc ggagtgggac tctactaagt 60  
 gtgtgtgcaa ctacatgtgc gaacgtggtt ttttttttac ttcgtgcttg tttgacgcta 120  
 tggctgggag cgcattgagca cagagccatg accgcgtgca cgccgtattc gatggcgc .178

<210> 8481  
 <211> 210  
 <212> DNA  
 <213> Homo sapiens

<400> 8481  
 cgtagtttaa tatttattgt ctctcttttc tgctgttgta gtaccatatt atatataagt 60  
 aaagagatgc gttcaagatc tagatcacgt tctatgaggt agaggactcc cttatcttgt 120  
 atattcaggc ggtcaagtag ctatatctga gacggtcggt ctatattgta tagtctatga 180  
 agtcgtgtga tgattctcaa tagctctatg 210

<210> 8482  
 <211> 546  
 <212> DNA  
 <213> Homo sapiens

<220>



<221> misc\_feature  
 <222> (1)..(546)  
 <223> n = A, C, T or G

<400> 8482  
 tggcatatgc tgtattttat tgtatcgtgt aagtgc taga aatataccca atactgaaat 60  
 cttattaact ttgttttcta tgcggccttg ggttttggtt gttcatgcat tattgtccac 120  
 tattatcatt tttctttaac aagatataac attgtatggt atattgtaca tatattgtat 180  
 gcatccatta ctggtgtgtg tttactactt tggctgttgt gcttaacgac acatggaact 240  
 gtgcaatatc gcttttatgc acaactctcg gcttatttaa ccaagaatat tatcgtgaaa 300  
 catcgtgtac tggctaataa ggcatattct cgtattcttt gtaatgtgat atagtgtatt 360  
 cagatagctt taaagtgtat gtgtgacatt cgtgacaact atccaacaca tacttaactg 420  
 tgccaatatt tgtcaatttt tatatctgat gc atgcgttc ct aaaaaatg agatgtctct 480  
 gactaacata acaggagtgt caatttgtgg tgcgtggagt gcaatgtagt agtgtcgnac 540  
 tcagcg 546

<210> 8483  
 <211> 338  
 <212> DNA  
 <213> Homo sapiens

<400> 8483  
 acgaggatta gaaaatcact gaagtgcact ttgatgcgt aggtgaagag tgggaagtag 60  
 aggaggtgtg gagattatta ttttaagtatt ttatgaatgc taagtaatag gaagtggttg 120  
 atggtgatat ttaaattttg attttgttaa atttgtagta gaatattgat taatgattat 180  
 tttatgtggt gatatttgtga tgtgctttat gttgagcaaa ttggatatta tttattagtt 240  
 tgtttttgaa gtgtcttact atgtgagatg agaggtatag tattgtgttg tgtgtttggt 300  
 gttcatattg ttgtgtattg gatttagttt tctttgaa 338

<210> 8484  
 <211> 177  
 <212> DNA  
 <213> Homo sapiens

<400> 8484  
 gatgcctgtg ctactgtcc acgagtgcac tgaggcaciaa gggcatgaat ggatcctata 60  
 aatgactcac ttgacctggc tcttggcact ggatgtagct gttggggctt gacaatttag 120  
 aacttgaage cctcaccat tatccggaat attgtgatcc tgactactat tccagaa 177

<210> 8485  
 <211> 306

<212> DNA  
 <213> Homo sapiens

<400> 8485  
 aagatgtgat gaagcagaac gatgaattaa tagatggaag acatataaca tgcgataaaa 60  
 gtgatacgtg tcactatata aagagtaaag cccatacaag tatccatgct ttctaattctc 120  
 aacgttgtaa gtggctgggc aacctatgcg acgtcttaca caaggacaca aagacatgag 180  
 catgagctat aaggggggctc caggactacc tctaagaggg ataggcctct agtaactcca 240  
 ggctctgctc cgaatgctga gaggagactt aaatactgtt actgcgggccc gttacatcag 300  
 aactca 306

<210> 8486  
 <211> 162  
 <212> DNA  
 <213> Homo sapiens

<400> 8486  
 tcatgaatct ccaaccttaa atactgaaac actgacatat gaagctatct gatgcctgct 60  
 tgaatcaata taccaccact acttgccgca ctgatgacac tatgcaaagt tgcgtgatac 120  
 gtccgaaaca atgccgtagg gggggctaca gggcacgaaa ca 162

<210> 8487  
 <211> 162  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)..(162)  
 <223> n = A, C, T or G

<400> 8487  
 tttttttttg ntggtttaaa attttaataa aggggggnca aaggntgnaa tggntcnaaa 60  
 antcctcaag ntccgnacgg nactccccgn agaccaagnc anttgnantc cattcattat 120  
 tcgntctggg atcttagnca aagccccggn cccctgggan ca 162

<210> 8488  
 <211> 194  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)..(194)  
 <223> n = A, C, T or G

<400> 8488

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tttttttttt tttttttttt tttttttcta attactacct tttattctaa gggaaaccag      60
ggcccgaag ncgaataaca agctggncga aacaaaggaa actaggggtg gncaaaaaga      120
attagggggg aaaaacatgg nctcttcctg ggggagggag ncggggaaaa ggnaaaagag      180
gtgctcagcc ggca                                                         194

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<210> 8489
<211> 210
<212> DNA
<213> Homo sapiens

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<220>
<221> misc_feature
<222> (1)..(210)
<223> n = A, C, T or G

```

```

<400> 8489
tttttttttt tttttttttt tttatttaaa aaaatttcaa taaaacggcc gggcgggctc      60
ggggcgcccc ctatcggtc agccgggggn ccctcctccc ccacccatt ctaccagggg      120
agattctggg ggggaggcca agttcccttc tagagggggc ttcacccttt tcccagaaac      180
gttccagttt caggagnagg naggcaggcag                                     210

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<210> 8490
<211> 226
<212> DNA
<213> Homo sapiens

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<220>
<221> misc_feature
<222> (1)..(226)
<223> n = A, C, T or G

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<400> 8490
tttttttttt ttccacggnt acaaaatctt taggtaanta taaaataaat aatagnaata      60
ttaattaata acaacaacac aacagggnc acaatattaa taataacaaa anctctccca      120
tggncccaag nccttctctc anctttttctc ttcggcttca cacaacttgn gnanatanct      180
gttttcatan cgggnaaaac ggagnccan anagntcgnc aactg                                     226

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<210> 8491
<211> 338
<212> DNA
<213> Homo sapiens

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<400> 8491
ccaggccagg acacacagac accacgcaca cggaagcac ggacgtgcag accgcacctc      60
cccctctctg gacccactct cccagctcg ccagctcaag ccaggagcac acagcgcgac      120

```

```

cccagcccac caccaagagg acaggacacc gagatgtgga ggcggccacc gggcagacaa      180
ccgaggcgac aaaccacaga accgggtcca cacgtagaag acagcacaca aacgcagccg      240
atcccacaac agcacgcagt accctccagc cgagccacac aagctccacc cgtcccccca      300
gctccacctg ccgcggtccc ccaagactgc cagccacc                                338

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<210> 8492
<211> 594
<212> DNA
<213> Homo sapiens

```

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<220>
<221> misc_feature
<222> (1)..(594)
<223> n = A, C, T or G

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<400> 8492
caactctgaa tataactaaaa gctgttgaat tacacacttt aaataagtga attttacggt      60
aagcaaatta tatcttaaga cattaataat aataacaaag gacggaactc acacatcttc      120
tttagacaga aatgtagtct cactgcagca agtatggctt aaacctgctt ctgaaccgtg      180
cacagttgta ggcctgtctc aagtgttccg tcgttgactt gtgtcccgcc tcgccgggca      240
atgatgtatg tgtggagcgc agtcatgttc tttgttacgc aacacagttt tcaccttggg      300
ctaagatgat gtgattcttc caaggtttgt ggcagaaatc ccatttaata nactgggtcca      360
gatttcttca tgccgtaaaa ttgtttaagg aagttattta ttctgccaag ctctcgtcac      420
ggtgtccgac actcccttct gtctcctgga gggccaggct tccgtgctct ggggctcagc      480
aggacgggga ggacgtatnc ctagacacct gcatcagtca aggtcatgga tattgggaag      540
acagacagca gcagaccag gtctgagctt acaaggtagc cactgagtct gggg                                594

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<210> 8493
<211> 434
<212> DNA
<213> Homo sapiens

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<400> 8493
ccatttgctc actggggcta cagacgcttt tctacctgca atgtagatag actggatgcc      60
actcgtcctt ataattgtta actttttact gttatcttta acttgtgttt aacctcactt      120
tcatacactt tagaagcaac tggaatgata atggttattg tgaacaaggg gcaaatctgc      180
atgtgtgcag aatataatcg agttatcttt cttttactga tactgacccc acatgtgttt      240
gacctttcta tgcacactgt tgccctttaga atactaactg ataaatcatt ttactgttgc      300
ttttctctca catgttagct taacgctgaa cggcattttg actacagtgt gttctgcata      360
tagaacattg attacacatg atatattggg ttatactttt tgttgtctct tgcttattta      420

```

gtttgctgct cacg 434

<210> 8494  
 <211> 386  
 <212> DNA  
 <213> Homo sapiens

<400> 8494  
 gtactctcta ttacatcacc catgctaata ttgatgatgt atcatctcta tgtaggaatc 60  
 gacttgatc acctgcatta ctgagtgcg catatgagat gagatgactg ctgacctgtt 120  
 cttgtggcac cctggacca ctaaagaacg cccttagtga tgaccaactg ccacatgtta 180  
 cacattcttg atggttggct gtgtggcgga ctttctcttg tgaccatgat ccagaagctc 240  
 ctccaacact gcttcactgg aacactgctg cctcagacga taccacgtga tgaagttgtg 300  
 gcttatgggg cagctgcacg tccgagattt ttgacagctc acaactctga gaatgcatag 360  
 cttgagttgc ctatggaggc agctaa 386

<210> 8495  
 <211> 642  
 <212> DNA  
 <213> Homo sapiens

<400> 8495  
 ggttcaagaa cctgctggtt tctggatgcg taagtacac agcctctgct gtgtgacact 60  
 attcttgctt ctgcctgtca tctgtgatca tatgccaggc tcgtgccaga atccctttct 120  
 tatactgatg tggcgtgatg gatccgcatg gggctgctct cctggacctt cgtgctgtcc 180  
 ttatacctgg tttggggagc acggtgtgga tgacgtgagc gtgtgatgaa ctgcatggag 240  
 attctgcggc aatagtgaca catgtggctg gtgtgcttga gatatgggat gagatatgac 300  
 atgcggaact aatagcatat gctttgtcat cacgatggca aaatcactga gagaacagag 360  
 aaaaaaacat agtactgtgt cgtgatcaat ctaatccatg ccgtatacgt ggtcgacgga 420  
 caggctacaa tatggatcag cacactatga gtctgatgat acggtagagc atgcaatgat 480  
 gatgacgtga tgggactcgg cgtagtcatg gctatagctg tttcctgtgc gcagttgcct 540  
 tccgctcaca attatacaaa acatacgagc aggaggcata aagagtaaag cctgggggtgc 600  
 ctaaggagtg agctaactga cattattatg ggttgtgcct gc 642

<210> 8496  
 <211> 530  
 <212> DNA  
 <213> Homo sapiens

<400> 8496  
 attggtggta gctcatacat agatacttgg tcatatctga ctactgctt ggacttctgc 60

tatatcactg cataacatgg cgggtgggtgg ttggtgtgat gtatctcatt ataggagttg	120
tgtgaaactc attacgaatg gaatggatat cctgatagta acaacatata ccatcacaga	180
ccgcttattg aaagcagtac tatatattac caaacttggc cttgttgtct gggatgatct	240
ggacgacatg tgggtgatag aattgggtga gaacatggac aagatattca acgtgacata	300
taacatgata ccataacaac cctacaggaa catagctttc gactgataca ggtgtgactc	360
tgactggcta ggatgctctg acacactgta cgtctacata caaccagggtg attctagttt	420
acacaataat ggactgagat gatactaact gtggatgata gcactgtatg attaaaatga	480
tctcttagga tattttaaata agaagatata ataaaaatat ataaaagctt	530

<210> 8497  
 <211> 162  
 <212> DNA  
 <213> Homo sapiens

<400> 8497	
tcgacgtata ctatgatctt cttatctgtc tttcgtgtat taggtagtaa ccttatgtat	60
atgtctctgc tagtcattac tgctctttat acattgatat agtctgtcgc tggcagggat	120
gtaaggggct ctaatgggca tgtatctagc tgatgctctg ac	162

<210> 8498  
 <211> 162  
 <212> DNA  
 <213> Homo sapiens

<400> 8498	
ccaaaagact gctggagacc actcaaggca agacatgaat gtcaagtttc tcaatagcaa	60
ctaaaaagaa aacgaggact gactctcgaa acagctgact aatcattcgg tatactgact	120
tgaatgccca acgcaaagca atacatgaaa ccacccaagc ga	162

<210> 8499  
 <211> 354  
 <212> DNA  
 <213> Homo sapiens

<400> 8499	
agtctgacta ttaaataaat ggaaatgaca cccaacatat acagtattta tatgagattc	60
tgactgtcta catggatatc atgcgcggct gggtaaaaaa tatccgtgga tttgcacacc	120
tgacaaaagc acaccaagaa ctgctttttg aatcatctct cttataactg gttgcacttc	180
catgatcata cacgtggcta gcgagtggta ggttaactca tatattgcaa tggggtggtc	240
ttactcatgt tgtgggtgcat aactggatta gaggaatgga cctgatgaat ctgttgatta	300
tggcgcaact tgccaaacat gaatcttgac tgggtacacga ctctgatgaa gtgc	354

<210> 8500  
 <211> 466  
 <212> DNA  
 <213> Homo sapiens

<400> 8500  
 ggtacacata gggcactgaa catcttactt ctctgtgagga ttactgagct cgctgcatgt 60  
 gattcgtgtg ctccactccc actgtttaat atgttactat gacacaccta ctaaaagtat 120  
 gacagctcct cttgacctgg aagtgtgcaa ttaccatcac acgtggataa tgcaaggcgc 180  
 tgctctcatt tcctgttact tatgactgtg acgtgaagtg agattatgca ctattaacaa 240  
 atcatgatgg tggagatgaa agtgctcatc attacatata atgtgattga tacacagatg 300  
 tgtgacggat tgctgggata aaaatatatg taagattagg actcctaacc gctgggtttac 360  
 tcaatcataa acagaacaat gatcaaaaca gaggtcacaa tactgcctga ggtggctggc 420  
 atctctacga cgcacgagtg cactgtacac catgcctgca aacgga 466

<210> 8501  
 <211> 178  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)..(178)  
 <223> n = A, C, T or G

<400> 8501  
 ccngggtaca tcccattgat gtcacttcgc aagagtgggc atgaccatat tgtgaatcta 60  
 tgagtacgga ctattgagga ctaaactgga aggatgcaac tacacacact gtgaggaatg 120  
 gctgcgtctc acactagtat gctttattac agggactgga cactggatag aanatata 178

<210> 8502  
 <211> 594  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)..(594)  
 <223> n = A, C, T and G

<400> 8502  
 cgagggtacag gtcacacagc acatcagtgg ctacatgtga gtcagacct gggctctgctg 60  
 ctgtctgtct tcccaatatc catgaccttg actgatgcag gtgtctaggg atacgtccat 120  
 ccccgctcctg ctggagccca gagcacggaa gcctggccct ccgaggagac agaagggagt 180

gtcggacacc atgacgagag cttgaaatct ggaccagttt attaaatggg atttctgcca 240  
 caaaccttgg aagaatcaca tcattcttagc ccaaggggtga aaactgtgtt gcgtaacaaa 300  
 gaacatgact gcgctccaca catacatcat tgcccggcga ggcgggacac aagtcaacga 360  
 cggaacactt gagacaggcc tacaactgtg cacggttcag aagcangttt aagccatact 420  
 tgctgcagtg agactacatt tctgtctaaa gaagatgtga gtcctaagca gacttaaagc 480  
 caagaaaata agaagaggaa agagagaggc ctgccctaac ccactgttgt gctgacttgg 540  
 acaattccaa gtccaagagg actgtctact ttcgaccttg tgtgattata acct 594

<210> 8503  
 <211> 178  
 <212> DNA  
 <213> Homo sapiens

<400> 8503  
 aggtaaatat cattgatgtg agtttcatac tacagcatgg atgtggtagt gctgcagact 60  
 ggtgctgctt atggggcaga tacactagct ctgatgtcaa tgactggaac agtgtgattg 120  
 gatgcctgat ggatgatttc ttagacatgc taaagtgtaa gtcagaccct gactcagt 178

<210> 8504  
 <211> 258  
 <212> DNA  
 <213> Homo sapiens

<400> 8504  
 ggggcaggta acacctccag acctctttct gtctgagtgt atctagtttg ctgcttttat 60  
 ttatgtatta tgttctcttc atgtacttgc tcttgctgc tgggagaatt ctgtcgttct 120  
 ctttgccga tctcaaactg tagaaccta aactacttcc tgcagtaact gccctggctt 180  
 ggcgtctcac aaggcaatac tctcctcgtt ccagcgagga ccagagggtg gccagcctc 240  
 ccagtgtagc tggactcc 258

<210> 8505  
 <211> 210  
 <212> DNA  
 <213> Homo sapiens

<400> 8505  
 aggtactgga cctaacctaa tgtagcacat ggggacacat cgatattaca acaaagtcta 60  
 ttagacgacc acgaaatata taagcacata taatgctgat tgtaaataga tatccaaagc 120  
 acctctgcta caaactacct ggctcgtgtc tgctgtatct tgccatccac atgatagggc 180  
 atgtaacacg aactccagag caatctcttc 210



<210> 8506  
 <211> 321  
 <212> DNA  
 <213> Homo sapiens

<400> 8506  
 gtacttgtgt gtctacagtc acggttgact atcccactat gtttactata aatgaggctc 60  
 tgtgattcac tgcattggcag caggtgatgg cattgacata ggccactgct tgatatgatt 120  
 ttgtgcatcc tgtccagagg tcctggactt tatgagaggt atgttttaggc atttggttga 180  
 catgctatct gtctaccctg gtccttacgt ctgggatcac atattccttc tgtgggtaca 240  
 aattgtgtgt gatttctgat gatagggggg ggtgtataac tatttatctt aacactgggt 300  
 gtatatatta cattggttta a 321

<210> 8507  
 <211> 290  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)..(290)  
 <223> n = A, C, T and G

<400> 8507  
 cgggcaggta cactcangaa tgtgctgcac aaactctatt cagttagcag tgatcacccc 60  
 gtgaccaca cacaccttcg atataatcct acaaagtctt aacattaatt aacataatta 120  
 aataagtatt tgcattctata aaaaatatac agaagaacta attgtggagt aatctgtgcc 180  
 tccatttcaa tgtctgcttg tttcactgac attatcaata tattcttttc atacaaagtc 240  
 ttataaaaag cgaaggaggg ctgagcggat acgaccagcc acacacaaaa 290

<210> 8508  
 <211> 371  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)..(371)  
 <223> n = A, C, T or G

<400> 8508  
 cagntacaan cttttttttt tttttttttt ttttttttgt ttggaacctt taataaaaat 60  
 aaaaaaggaa tgcaaaaaga acacaatggt gaaaacttaa tattaatgtg aacctcacta 120  
 gatgtttcaa tctggtagag tgcaaatttt gttcatacta ttttacattt ttacaaactc 180  
 aaatcacttt ggttcatata tttttctataa actattggca aaaaaatcct caaatttaca 240

ttcttttggc tacattatctt ctaacagata tagattttact tccggtttcg gagagaaaga 300  
 cttattgtgt gtgcgtgatc aagtctgttt taaagattca cacctcggcc gcgaccacgc 360  
 taatcactag t 371

<210> 8509  
 <211> 194  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)..(194)  
 <223> n = A, C, T or G

<400> 8509  
 ttactaatctt acttagcaaa ctttatcctg agatttgcaa atttaaaaaa atgaagaatc 60  
 aaactatatt ttcttttctg tttttttgaa acagagtctc cactctgtca tccaggctgg 120  
 agtacctgcc cgggcggggg gttgtngtgg ttatgaattt gtgtgggtgt gaagtagaga 180  
 ttagagatag gatg 194

<210> 8510  
 <211> 162  
 <212> DNA  
 <213> Homo sapiens

<400> 8510  
 tttctgtgta ataagagtga ctgcttataa ggagcgtgga ttgcgataga gtattgtgaa 60  
 taagggtgtt tctacttaag tagatttggt tataggcaag agtgatgtat ctttgttata 120  
 gtttaggtgt atgtagttat tgataatagt gcagcgtttt ta 162

<210> 8511  
 <211> 274  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)..(274)  
 <223> n = A, C, T or G

<400> 8511  
 agcaaaaccc acccaagcaa caactggggc caagaacggg gnaacccaaa taggcattac 60  
 cccagaggaa ccgaattaag gaaaatggaa ttaagggggg ggcccaggat tttgacgacc 120  
 aatttgatga tgaaggaccc cttccttgcc ttagggactg gcaaactttt ttaccatttg 180  
 gaaggtaaaa ttgaaggacc aatttcggta gtggaaggaa aacattgggt tgtattaaag 240

gaaaacaaag gcaatgggtg acccgctttc gggg 274

<210> 8512  
 <211> 162  
 <212> DNA  
 <213> Homo sapiens

<400> 8512  
 cttgatgatt gtactgtatg tgtccgtaga gctgatggct gctgtgttct atggacgttg 60  
 gtggacgact gtctgtagat gaggaggaga tgaacagtgt ggggcagggtt tggaacatct 120  
 tgatgaatct ttgcacgctc atgtattgaa atcttagcat ca 162

<210> 8513  
 <211> 338  
 <212> DNA  
 <213> Homo sapiens

<400> 8513  
 tgtataatgg ccctggacca tcttccatgc tggataggac ttataagtgt gtaatacaca 60  
 cgtactatgg gcaagatgga taaagactac tgcctacata acttgtatct atatccatca 120  
 catcaaccaa tgataagtac gaatctatcc taattttaca aacatggaca cataacaaca 180  
 aagatgtcaa tgtcctcatt caacagaact gaagatagat caaacgctaa accagactct 240  
 gtctctattc cctcctgttg tgccacggtg catctctgcc gagacgggtgc ctttatttag 300  
 ttacaaaaca cacttgatgt atggcctacg cgtttaac 338

<210> 8514  
 <211> 322  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)..(322)  
 <223> n = A, C, T or G

<400> 8514  
 ctggtccaac agctgagggg tgttgagggg atactgtact gccactcacc gaattaacgc 60  
 ctgcaactat cagagatgaa caacataaaa aaaaacaaga agagaaaaaa acatagttag 120  
 agaacctctg catgaatcat gataagcaca tatagaagaa aaaagatata aacgtggtag 180  
 cgtcaatccg agagacgaca tcgccatgcg gtattgccag caaacacata tggactggac 240  
 agcnagacat ggatcataat gatgaatgat catgcgctac tagactactg atcaatgggt 300  
 ggacatagca gcanacactc ac 322

<210> 8515  
 <211> 786  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)..(786)  
 <223> n = A, C, T or G

<400> 8515  
 tttttttttt tttttttttt ttttttttag tttaaagact atttcagttt tagtcagact 60  
 acttcagacc tcagactcca gacttcagac tccagacttt agacaacaga ctccacatgc 120  
 cacacaacag actttcagac tccagcttca gactccagac tccagatcgc acacttcaga 180  
 caacagactc tagacaacac actccagtct ccacattcca cagcacagac tacagactcc 240  
 acactccaga caacagactc cacactccag acaagagact ccacaatcca gacaagagac 300  
 tccacactcc agacaagaga ctccacactc cagacaacag gagactttta gactccagat 360  
 cagacttcga acttcagatt cactccagac ttcagactcc agaccagact tcagactcca 420  
 gaccagatt tcagatttta gacttcagac tccagaccag atttcatatt tcagactcca 480  
 gaccagactt ctgacttcag acttcagact cctgaccctt ggcaacatgc acatggcang 540  
 cccttcactt agctggtaga aggaacacag gcttgggaag gagatgtctg atgttcactc 600  
 cctgacgaca ctcttacttg cttcaatgat ctctctgagc cttgggtggc ccatctgcta 660  
 aacaaggatg agttatttgc tggggatgct aggagacttc tgcctcatgc ctgcagtgct 720  
 gctcatgttg ccccttgga attacttggt caacttcttt ctttcccact agacgggggac 780  
 tttttt 786

<210> 8516  
 <211> 338  
 <212> DNA  
 <213> Homo sapiens

<400> 8516  
 cgagtactct tagtagcgca cgtctttggt gtatgccttt gatgggggct gctgaacgct 60  
 tttttcaagg atcatggatg tctcatggag gaattaaatc tcatgggtat tgattcattg 120  
 cttcacgggg ctgaagaata atctgtgggt gatgtcctga ttgatgctga tatgacacat 180  
 ctttgaggta agaacttggt tatgtccttg aactggatgg gattgttctt tgtgacctca 240  
 tgagtatata catgatgatt cagctgtaga catgtgtgac atctcttatg gttaacatgg 300  
 aggtggacat tatacctgat ggggcgaaca gctacttt 338

<210> 8517

<211> 274  
 <212> DNA  
 <213> Homo sapiens

<400> 8517  
 tgaggacttg atagcatgtg tgtgtggact gaaatgctta tctcttccgg agatgtgacg 60  
 aaacgccttg tgtgtgtttg tgtttgggct gagactgtat agagctggta gtttgtagca 120  
 tgtgagagat tggagtgagt ctgtgtggct taactccttt ctggttcgtc tgcgcatacc 180  
 ggcatttagt ctggtgggtt gattatggaa cttgcatgtg aggcctggata ttgatgagct 240  
 gtgtgtagtg cggctgatgc ttaatataga gtct 274

<210> 8518  
 <211> 610  
 <212> DNA  
 <213> Homo sapiens

<400> 8518  
 gaagaagtcc tggcaaaaat cagctccaca tccacagatc ggctcacagt tctcaagacc 60  
 aagccacagt ctatacaaag ggatatcatt actgtctgca acgaccctta cacgttggcc 120  
 cagcagctga ctcatataga gctggagagg ctcaattata ttgggccaga agaatttggt 180  
 caggcgttcg tgcagaagga ccctttggat aatgacaaga gttgctacag tgaacggaag 240  
 aaaacacgaa acttagaagc ttacgtggag tggtttaatc gcctcagcta cttggttgct 300  
 acagaaatct gtatgcctgt taagaaaaaa caccgagcaa gaatgattga gtatttcatt 360  
 gacgtagctc gggagtgttt taacattggc aacttcaact ccttgatggc gataatctct 420  
 ggtatgaata tgagcccagt ctctcgacta aaaaaaactt gggccaaagt gaagactgca 480  
 aaatttgaca ttcttgaaca tcagatggga cctttcagcc aatttctata attattgaac 540  
 agcttttctg ggggccagca caaagtcttt aactgctcat agtagttaag aaaagatggg 600  
 gatacatctc 610

<210> 8519  
 <211> 162  
 <212> DNA  
 <213> Homo sapiens

<400> 8519  
 taccaacaac tcttggtaaa gatcacctcc gcatgcacag agtgcttgac atgtgctgga 60  
 tatcacgctt gtcgtatac gaagggatgt gattactgtc tgtaacgacc cttactcggt 120  
 gtgtcaataa ttgactcatc tagacgtgga taggctgatt ca 162

<210> 8520  
 <211> 466  
 <212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)..(466)

<223> n = A, C, T or G

<400> 8520

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gtacttgata agttgattct aaaatacata tgaaagtata aaggaacaag aatagccaaa      60
aactttttgca gaaaaacaaa ttangaagac ttgctttacc aaatatcgag atatgtgttt      120
ataggtaatt cactgagctg acattaatgt gttgtgtatt tttttggtca gagttgatcc      180
ttactngaga gtgggtatgc atgagtgtgt gtatgtgaga gtgagtgtgt gtgtgtgtgt      240
gtaaaatgga ggagaggact aaaagtgtga ctagaagcag ctggaagtag canngagagt      300
ggaagttagt cccctcgagt gtttgcaaag taagacatgc ctgccagca ctcttcctag      360
tgtatagtgg ctacaaatag agtagagaac agactccagt cctcaaagac tttcagtcct      420
gcgagtcaac tcagactcaa atgtagaact gggaaggaca gtgccg                      466
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<210> 8521

<211> 210

<212> DNA

<213> Homo sapiens

<400> 8521

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atgcacagtg cacatatctg gtacaagcta aatctggggc gcatcacagc caatggtaaa      60
ttctacagtc ccttctctta cggatcataa tgcocttgatt gtaagcgctg cacatacctc      120
agggtcgcca tctactgtag ataaaaaaca actgtggatg actataacgc catgtgcagt      180
ctcatggggg agaggcttca ctcgtttaac                      210
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<210> 8522

<211> 514

<212> DNA

<213> Homo sapiens

<400> 8522

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tgcacattag tacatTTTTc ttaatgggtgt aatacttgcg tgtagctgaa ccaatcatgg      60
atactaccat atcataaaag aacatgacta tatctccgtc tatcatccat taaactatta      120
cctttcacag ctaaggcctt gacctatgcc tgaatgatgc tgttacataa gctgagataa      180
tacagccatt tctgtgtcat ccatcaggat aaacagtatc cacgttctac gagctgtgta      240
gcgtgcaacc aatgccagga gtacatactg tatgctgtgg tcggagcttc tgctaaccac      300
tctatcatgt ggaagatgga taatagctta tgggggaagc cagacaagat tgataaaacc      360
actataggtg cattgacatg tctagctatg tggtgaggaa tgtgactata catcgtgtga      420
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tgatagttgg gaagtatgcg ctcaatatag gccatctgct ggtctgacag aatctcagac 480

gtgaccacgc tacgtaccag ccacggccgg ccgg 514

<210> 8523

<211> 322

<212> DNA

<213> Homo sapiens

<400> 8523

acttgataca ggctctgaca ccagatgacc tgtagagtgg ccacagaagg tgggcaacac 60

actaataggg tacggtggaa aaacatatgg cggagagagt gacatgatga tgatttcatt 120

taggaagatg actacaaatc tatcataatt gtacaatgta cgtactccta gcatatcgcg 180

tatatgaccg tcgatcattt caacagaaat gaaagcatgg atgtcacgct acactgagcg 240

taatgtatcg gatgcgctgg ctgtttgtgc gcgctgctgc agtcgtgtgc acgtagcggg 300

gtgcgctctg acttgacgta ac 322

<210> 8524

<211> 210

<212> DNA

<213> Homo sapiens

<400> 8524

agtacttggt tgggtggacct gaacctgatt ctctgtgaca gtggcgacta aaattgtggc 60

accgcactta ctgtgtacgg aggaacaaac agactggcgt aggcactggg ctgtgcatgt 120

ttgcatctat aaaacagact acaactgtat cgtgattcta cgtggtcctc ggctggcac 180

actgtaatga gtgctgaatt cgtaggacag 210

<210> 8525

<211> 178

<212> DNA

<213> Homo sapiens

<400> 8525

agtactggtg tggtgaatcg gaaacctgat ttactgtgca gatggccgag ataaagaagg 60

gcacgtacta atagggcacg gaggaacata gagacgagcc tatggcacta gtaaattgcat 120

gtattgcatg tataaacagg actacaaccg tattctgatc ctacagcggc ccgacgcc 178

<210> 8526

<211> 306

<212> DNA

<213> Homo sapiens

<400> 8526

aggtacacac tatgctgatg gcacttagta agtccagcgc atagacgaga cagactacac 60

tagactctaa aatctgcaca cacttcacga aaattgaatg gtatgtggag ctgagaactg 120

atgagagtga tcagatcact tcattgcaac agatatgccg tcagatgacg aggcacctgt 180  
 tcaactgcta agagccagac gtgccaacat gtctttacat aaatgggcat atgatgaccc 240  
 acgagaaagg acactaagtt acactgtgaa ccgtatgtca tgaatgccgt gtagatgacg 300  
 accaag 306

<210> 8527  
 <211> 626  
 <212> DNA  
 <213> Homo sapiens  
 <220>  
 <221> misc\_feature  
 <222> (1)..(626)  
 <223> n = A, C, T or G

<400> 8527  
 tgcaccataa tccctgacgt agatgaaatg ccagtgtcag gagaatgcag acataactcaa 60  
 tgacaacata nattataaga tgaccactga agtcttggag gctgaccatg atgtgcaatg 120  
 atgagaatga taaaataaat aacaatgagc ttgatactgt tgaatagatg ttgcagctag 180  
 acaagcaaaa atattgagaa agctcaagaa attcaataga aaatgtggga cgagttagat 240  
 ctatggcatt ccacactaaa tgtagctgga ttctgaaggc tcagacattg ttgaacagga 300  
 gccaggacac gctcacgact ggatggataa cttgatgatt gctttccagc agtatcagca 360  
 ggtatcacag agagcagagt gtagaacctc acagttgaat agagccacag ttaagatgga 420  
 agaatataga gaccttctga agagcactgt agcttggata gaanatacca gtcatttgct 480  
 ggccaatgct gctgactatg actctttgga gacactgagt caccatgcta gcaactgtgca 540  
 gatggcttta gaagattcag aacagaagca caatctgtta cattgaatct ttatggatct 600  
 agaagaccgt gaatagttta tgaaac 626

<210> 8528  
 <211> 690  
 <212> DNA  
 <213> Homo sapiens  
 <220>  
 <221> misc\_feature  
 <222> (1)..(690)  
 <223> n = A, C, G or T

<400> 8528  
 gcggcgcgga ggtganmnac catagtcccc tggcanaaga ttgaaatgcg ccaggtggna 60  
 aggaatgtca gaaaagcttt ataagacata gatgagaaga ttancaatga agtcttaaaa 120



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agctcaccat catatgcaat gangtagaaa aatagaagaa attaacaatg ggcttcataa      180
tggtgaaaag atgttgacgc agaaaagcaa aaatattgag aaagctcaag aaattcaaaa      240
gaaaatgtgg gacgagttag atctatggca ttccaaacta aatgagctgg attctgaagt      300
tcangacatt gttgaacagg acccaggaca ggctcaagan tggatggata acttgatgat      360
tcctttccag cagtatcagc aagtatcaca gagagcagag tgtagaacct cacagttgaa      420
taaggccaca gttaagaatg gagaatatag tgaccttctg aagagcacnt gagcttggat      480
agaaaatacc agtcatttgc tggccaatcc tgctgactat gactcttttg agacactgag      540
tcaccatgct agcactgtgc agatggcttt ggaagattca gaacagaagc acaatctggt      600
acattcaatc tttatggatc tagaagacct gtcaataatt ttgaaacag atgaattaac      660
ccaatccata caagaagtaa gtaatcaagt      690

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<210> 8529

<211> 562

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)..(562)

<223> n = A, C, T or G

<400> 8529

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gtacaccata gtccctgcag acattgagat cccaggtgga ggactgcana agagctatat      60
acaacatata tgataaggag atcagtgaag tcttggaag ctcaccatca tatgcaatga      120
tgagaaaaat agaagaaggt aacaatgggc ttcataatgt tgaaaagatg ttgcagcagg      180
agaagcaaaa atattgagaa agctcaacac attcaaaaaga agatgtggga cgagtcagat      240
ctatggcatt ccaaactaaa tgagctggat tctgaagttc gagacattgt tgaacaggac      300
ccaggacagg ctcaagaatg gaggataacg tgatgattcc tttgcagcag tatcagcgag      360
tatcacagag agcagagtgt agaacctcac agttgaatag agccacagtg aagatggagg      420
aatatagtga ccttctgaag agcactggag cttggataga aaataccagt cattggctgg      480
cgaatgctgc tgactatgga gtcttgagg acactggagt caccatgcta acactgtgca      540
gatggcttgg gaagatcaga gc      562

```

<210> 8530

<211> 194

<212> DNA

<213> Homo sapiens

<400> 8530

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tacactgtgg aagctgcagg agtggtgacc gcactcgggtg gactgtctaa ggactactga      60

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atcattatct agacaacaca accagtgagt ctgtgagacg gaagcactat aagcactgat 120  
 gtagtaatga taaaggaagg taacatatgc agcttcatga atgctgtaag aagatgtagc 180  
 gacaagaagg aaga 194

<210> 8531  
 <211> 194  
 <212> DNA  
 <213> Homo sapiens

<400> 8531  
 actgtgggtg ctgagtagtg gactggaccc gatggcctgt taagcccatc tgtatcagtc 60  
 gaacaacaca gccatgtagt ttagcaggt tgaactgaca gaatggctgg tgcgcgcag 120  
 ggcagtacat aacctgaatc gcttatgcat gtgttgcccta gacacagaga agcaattcaa 180  
 taaagtatga cccc 194

<210> 8532  
 <211> 402  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)..(402)  
 <223> n = A, C, T or G

<400> 8532  
 acacggtggg aggctgagta ggggtgacga acctgcattg actgtatata ccatctgtca 60  
 cattatatcc aacacaagaa tatacactat agcaggttga aattatacaa tggatgttgt 120  
 atctcagatc tgcacataac ttgcacaact aattgatgct tatataaata cataaagaat 180  
 aaatangaca ataagtcaca cttgaatata cgttatgtga tgatgagagc actgagagtg 240  
 cgtccagatg tcctcagaac atcactgagc aggaatgagg tggctaatac tctatccact 300  
 cagacataac agacaaacga ggcacacgtg aacagngacc gaggatcctg actagcagac 360  
 taggggtgcc agattcaaca gaaaaaatc caggattgac ac 402

<210> 8533  
 <211> 178  
 <212> DNA  
 <213> Homo sapiens

<400> 8533  
 gctcaattga tacataggta aatatacata acccagattg ctactaatag accaaaacat 60  
 cgacatatgc ctattgtcac gtatatatac tactggcata gtgtatatct attgaaagtt 120  
 gatgggatgg cacttcttgt cggataactg acacaaaagt gagggactca tagcaata 178

<210> 8534  
 <211> 178  
 <212> DNA  
 <213> Homo sapiens

<400> 8534  
 agtgccactg agcacagagg acacatacct gaccgatatg tgactaagat ctcaacctac 60  
 gacctgtggg cattgtaacg gtatctagat gtggataagc gaccatcaca ctagactgtc 120  
 gtgctatggg cccgctggta gggacctctc acctggggag tgccgactaa gcttctctc 178

<210> 8535  
 <211> 450  
 <212> DNA  
 <213> Homo sapiens

<400> 8535  
 gagtactact gaaatcaaga atacatgtct gtcggatagg tgacagagta actctacgca 60  
 gaacgtgagc acgttgaac ggatgcagat atgtacataa gagaacatca ccaaagagct 120  
 cgtggcccat cagcgcacgt agaagactaa catactagtg aacgaaagcc cataatgcac 180  
 ctctcaatg gttaggcctg tagcacacac tcgcttgaga cctgacccg ctaatgtctac 240  
 agacccgaga ccaccggcac cctgtacctc ggtcgtctcc acgctaatac ctactgaata 300  
 cacggacgcc ggctagtcta cgatatgggc atagctctca acggcgctgg cagcatgagc 360  
 tgagtattgt atagtgtgat cgaaatagct aggcgtatgc atggacatag ctgataactg 420  
 tgtgaataca gtatacggtt gaaggtacct 450

<210> 8536  
 <211> 161  
 <212> DNA  
 <213> Homo sapiens

<400> 8536  
 gtgccacggg gccggaggac acatgcctgg cggatatgtg gactcagatc tcaagcgaga 60  
 acctgggcca ggcgctacgg atgtagatgg acataagaga ccatacacac agacttcggt 120  
 ccacgtccac gctggtggga aacaatcata ctggggaacg a 161

<210> 8537  
 <211> 226  
 <212> DNA  
 <213> Homo sapiens

<400> 8537  
 atgtgctgcc gatgtcataa gtgcatggct gttgggatgg ccgcagaagt ggctcgaaca 60  
 gacagtttat aagccggtac agttaggtgg agcacataaa caaaaaacac acaggagttc 120

tttccacatc atgacctcgg tgaactgaat cattgtgctt actatggctt atgtctacac 180  
ccactcgagt atgaccatac agaaccatac tcagcagaca gacgaa 226

<210> 8538  
<211> 370  
<212> DNA  
<213> Homo sapiens

<220>  
<221> misc\_feature  
<222> (1)..(370)  
<223> n = A, C, T or G

<400> 8538  
ccgacgtgtg cgtaaagacg ggtgtcagta cagactgtga tgaaggctgt tggagagact 60  
ggctggaagc gtatatgacg ttgtacaaga cgtgatacac atagataata tatacacgct 120  
gctaactgtg acacatcatg ataatgtact gtaccctgtg tgttgtgctc tagcttgctt 180  
ttgcacgcac atngagtacg taacatagat cctgaacatg gactgaccag atccatagta 240  
gaatctgaac ttgtacatct cggcgcatatc agtgcataata tacacatgat gctgagccan 300  
cacacaaggt gctgggagct gtggactaga cctactggca gctgctgact caggaacgga 360  
gcatgagtgc 370

<210> 8539  
<211> 162  
<212> DNA  
<213> Homo sapiens

<400> 8539  
atatcggtag tagcagtgc cgcgaatag gtgttagctc aagaacgctc tgacatgcta 60  
cgcactatac ctgaacagcg ccggggagga tgaggggctc atgggcaaga tcagcgtgga 120  
ggactagaag aaagttctgg acaagtgata tgaagtttta ta 162

<210> 8540  
<211> 178  
<212> DNA  
<213> Homo sapiens

<400> 8540  
actatgagat atggacacag acggtgtgag tgtgtgtgtg gggaaatgcga aagcgggttg 60  
ctgcttggtg cgtaggtga taaggcaaac tagctgaagt gtttatcggt tgacattaca 120  
gtgttggttg ttagaagtgt gatagctcat aggtggtgac taatattggt ttattgag 178

<210> 8541  
<211> 194  
<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1) .. (194)

<223> n = A, C, T or G

<400> 8541

taaactagac ccaaaccacg acactcctca tcacgcaccc caccaggtaa cagccttaac 60

gctgcataca aagtggtaaa gcgaagggca cgcaacctca tataaagaga cctgtgtgat 120

cctcactacc cagcgactgc cggataacac aatcaacacc tacaccatca cggcaangac 180

tacacgcaca gccca 194

<210> 8542

<211> 226

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1) .. (226)

<223> n = A, C, T or G

<400> 8542

actacatgat gcacanaaat actcgcacta aaacaacaca cataatcacc actatttgtgt 60

tctatgacat acatgtgtta cacatgatca tactaatgtt aataaggcaa tgtaggtaaa 120

cactgcgcac acgaaatgcc acctaaaacg tgcaagaaag aaggacagtg gggaggagca 180

aggacacaaat aagcagctct tgaaaggaac caatgaagca cctata 226

<210> 8543

<211> 178

<212> DNA

<213> Homo sapiens

<400> 8543

tcaggcggat ctaaatagat tagttaagaa aaaagatatg ggtgtgatag tccgcagtga 60

gatgtggtgg gggagtgtgg cttgcgtgga gaatgggtgg ttttgaagac tgagtgggta 120

tggggcgggg gagggagagg cgtgggtggc tgtgggggta tggggggcgg ggtgacgc 178

<210> 8544

<211> 210

<212> DNA

<213> Homo sapiens

<400> 8544

gtgggttattg ttgcagtatc ggcatgttaa gatgaaacta ttctgccatc ttactattat 60

tgtatgtgtt ttcatacatt ggagttgggg gatgggttat gttggattac ttaaagtaaa 120

taataacttaa aatccaaaaa aaaaaaaaaa aaaaacaaaa aagcttgtag ctgcccgggc 180  
 ggctgctcga tactgatggg gtagtgtggg 210

<210> 8545  
 <211> 610  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)..(610)  
 <223> n = A, C, T or G

<400> 8545  
 caggtcacac agcacatcag tggctacatg tgagctcaga cctgggtctg ctgctgtctg 60  
 tcttcccaat atccatgacc ttgactgatg caggtgtcta gggatacgtc catccccgtc 120  
 ctgctggagc ccagagcacg gaagcctggc cctccgagga gacagaaggg agtgtcggac 180  
 accatgacga gagcttggca gaataaataa cttcttttaa caattttacg gcatgaagaa 240  
 atctggacca gtttatttaa tgggatttct gccacaaacc ttggaagaat cacatcatct 300  
 tanncccaag tgaaaactgt gttgcgtaac aaagaacatg actgcgctcc acacatacat 360  
 cattgcccg gaggcgagg cacaagtcaa cgacggaaca cttgagacag gcctacaact 420  
 gtgcacgggt cagaagcaag ttttaagccat acttgctgca gtgagactac atttctgtct 480  
 atagaagata cctgacttga tctgtttttc agctccagtt cccagatgtg cgtgttgtgg 540  
 tccccaahta tcaccttcca atttctggga gcagtgtctt ggccggatcc ttgccgcgcg 600  
 gataaaaact 610

<210> 8546  
 <211> 311  
 <212> DNA  
 <213> Homo sapiens

<400> 8546  
 cacatctgta gactacgtgt tgcgtggaga aggtgtctgc catgtacgct gtgtacttct 60  
 acggcttcaa cttgatttag cgccgtggat gatgaggggc tcaggggaag aatgaatgaa 120  
 gattgatgaa acattgtgtt ggtcaagtgt ggagcatggg tgtcgtggct ggacgcaact 180  
 ttgttggtg acaatgtgca gtttaagcac aacaagaaag agctgaagca cgtgtgtaac 240  
 accatcatca gctgactgtt gctgagatgt agagcggctg tacctcggcc gcgaccacgc 300  
 taatcactag t 311

<210> 8547

<211> 306  
 <212> DNA  
 <213> Homo sapiens

<400> 8547  
 caagctttttt tttttttttt tttttttttt ttttttttga atttttaaagt tttttttat 60  
 tgaattaacc aatttaaaaa atgggctggg gttaagggtt ttaaaaaaaa aaaatagtg 120  
 taaaagggcg gtttaattta ttttttgctt gtaaaaacgg gaaaaaaagc aggttaagtc 180  
 cttgccgggg ggggggttgg aaataattat ggaatttggg ggggtttgga gggggagctt 240  
 agggggaagt tccaaagggg tgggttgaaa agttggagtt ttttttggg ttgtttaaaa 300  
 agttgg 306

<210> 8548  
 <211> 194  
 <212> DNA  
 <213> Homo sapiens

<400> 8548  
 cactctgatg gtgctattat tgtggcagtc tctttccttt atttgaactt atctttgaag 60  
 aaaagaatat ggcagatgct gacatagcat atgaacatta agttgaggag tctttattag 120  
 ctaaatagct caaaatacag gtggtgaatg ttgagctgcc tattgatggc atataggaat 180  
 gagagatacg tgaa 194

<210> 8549  
 <211> 226  
 <212> DNA  
 <213> Homo sapiens

<400> 8549  
 agttggcaaa agttcactct ggggaatttt gtgtgtgtgt gtgtgtgtgt gtgtgtgtgt 60  
 gtgtgtgtgt gtgttttggg aaggggtggt tgaggaagaa gaggctagg ctggtgtttt 120  
 ctactccaa aatggaaata ctgcccttga ttcattctca cacgttatgt gaaaatacat 180  
 catagcagtc ttggaaaaga tctacgtctt gggtctgttt agattt 226

<210> 8550  
 <211> 178  
 <212> DNA  
 <213> Homo sapiens

<400> 8550  
 tgtcgtttgt ggggtgggtt gtgtgttttg gttgtcttcc tgattctggc ctggtttttc 60  
 tctttttggt gtttttctat tgtcgatgtg gtggtgttgc ttgtttctgg ttccgttggt 120  
 gttgggttct ccttcgtggg gttggttgtg tgctgtgtta ctgtttttct ctctgctg 178

<210> 8551  
 <211> 546  
 <212> DNA  
 <213> Homo sapiens

<400> 8551  
 caggtcacac agcacatcag tggctacatg tgagctcaga cctgggtctg ctgctgtctg 60  
 tcttcccaat atccatgacc ttgactgatg caggtgtcta gggatacgtc catccccgtc 120  
 ctgctggagc ccagagcacg gaagcctggc cctccgagga gacagaaggg agtgtcggac 180  
 accatgacga gagcttgaaa tctggaccag tttattaaat gggatttctg ccacaaacct 240  
 tggaagaatc acatcatctt agcccaaggt gaaaactgtg ttgcgtaaca aagaacatga 300  
 ctgcgctcca cacatacatc attgcccggc gaggcgggac acaagtcaac gacggaacac 360  
 ttgagacagg cctacaactg tgcacggttc agaagcaggt ttaagccata cttgctgcag 420  
 tgagactaca tttctgtcta aagaagatgt gtgagttccg tcctttgtta ttatttttaa 480  
 tgtcttaaga tttatttgct taccgtaata ttgacttatt taaagtgtgt aaatcaacca 540  
 ccttta 546

<210> 8552  
 <211> 258  
 <212> DNA  
 <213> Homo sapiens

<400> 8552  
 tatatgcgga gatggactct actctgcttt ttcctatagg acttcatgtg tgtgtgtgta 60  
 tgtgttaaag atgtgttggt ggtttccata agggaattct ggaaatcaa tgtggtatgt 120  
 ttatgtgtac ttgtaatcag gttgtcagtc ccttgctgat atggctttgt tttgtgtaga 180  
 tacgaaggaa tcttaatctt cggggtgagg tgaagagaga attatctata ttctttgaac 240  
 gcgttggtttt aagaatca 258

<210> 8553  
 <211> 626  
 <212> DNA  
 <213> Homo sapiens

<400> 8553  
 atttaaaatt agtccccctt atgcatttta ctctacatgt gttatccttg caaagaaaaa 60  
 gactgacatc tttgagagca agagtttttg tcttattcac ctctgtataa tttccaacat 120  
 cgtgctttgc acattggaca ttcaaaaaat gttatacaag attgactgca tcaatactgg 180  
 agtgtttgtg gagggttagg tgctgaggct gagaagtgtg tgagggagac ctgagattaa 240  
 acctgccaca taaagtggag agaagtagca aggtcagggc tatgaaataa tcccaaaaac 300  
 tttagaattt ctacataata cagttgacac tactattctc aatagagctg ctttcagtct 360



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caaagggctg tggatatgtg gcggtgtgtg gtggtaaaaa agggaagcag caggggaagg      420
aagagaagtg tgatttcaca agacttaagt aatcttgta ttgctgcttt ttctgccaga      480
aaattattac cttcccttta aaaatcattt tcatatacat ttactaact tccatgtcaa      540
tttcaccctt ttttttctaa taatagctac tatttattcg ggaccaacta gtatacttag      600
gactatgctg ggtgctggag tgccaa                                           626

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<210> 8554
<211> 402
<212> DNA
<213> Homo sapiens

```

```

<400> 8554
agacacgggg tgactgagga ggaagttaga cggaggacag ggaacgaagg ggaggcaaac      60
aagtcacgtg agatatggac caattgctta aagatgctac aacacatgtg gaaaagtctc      120
tagcatgatg gcaggagtg gggcgatgta tggatactga ttgcaatgcg cactgagtca      180
taatctgggc aaaccatgag gccgacatct atatccgaag agcggaaact acagggagga      240
tgtgttcggg gctgactatg tgaatgatct aattccacca gagctgcaag ccatggacca      300
tggtcatgca gaggaagatg cctaccacac gctaaggata aagccagatg acctgatatg      360
tgacatggga gtctaagatg tctgctcctt gttctacata tc                          402

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```

<210> 8555
<211> 290
<212> DNA
<213> Homo sapiens

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```

<400> 8555
gtacaagctc ttacttctat tgatcctgta tgatctttca cggttctttc ttgggcctca      60
aaaagagaca cttattaata gaaaaaaaaat gacaaggatg tccatccttt ggctcccttc      120
cctccccct cctgctgctc cctaaccctt actatattga gccatggctg gggctgggtg      180
gcaggacagc ccaaacatg agggcaacaa cattgagggg cataacacta atggaggtgt      240
agcataaggg cccaatggct cgattagacc tctgggtctct cacagatatt                290

```

```

<210> 8556
<211> 658
<212> DNA
<213> Homo sapiens

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```

<220>
<221> misc_feature
<222> (1)..(658)
<223> n = A, C, T or G

```

&lt;400&gt; 8556

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cagtctttct tcagtgggag cccaggattc tgaatctacc tctttaacag atgaagatgt      60
ctgccatgag ttggaaggac ctatctcttc tcaagagacc agtgctactt cagggactaa      120
gagaattgat ctcagccgaa taagcctgga aagttctgca tccttggaag gatctctgtc      180
gaagtttgcc ttacctggga aatcagaagt gacatcttcc ttcaacgcga gtaatacaaa      240
tatcttccag aactatgcaa tggaggttct catctcaagt tgctctcggt gtagaacttg      300
tgattgtctt gtccatgatg aggaaatcat ggctggctgg acagcagatg attcaaactt      360
caatactaca tgcccattct gtggcaatat cttcttacct tttctgaata tagaaataag      420
agatttaaga cgacctgnaa gatactttct aaagtcaagc ccatcaacag aaaatatgca      480
ctttccatcc tccattttcaa gtcagacgga gcagtcttgc atttcaacat cagcctctgg      540
tcttgacaca tctgctctct ctgttcaagg gaattttgat ctaaatagca aatctaaact      600
gcaggaaaat ttttgcaccc gaagtattca gatccctgct aatagatcaa aaacagct      658

```

&lt;210&gt; 8557

&lt;211&gt; 546

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 8557

```

acacgtgcag catgtcagct cagagcaaac gtaggggcct gcggccaaga tcagtgtcca      60
ttttggccat tacatatgac ttcataaagt gactttgttg gtctgtgatg ccagctctct      120
gaaatgtgca cactaacata aactgggatg gaatacgggt cgtgtgacag actctggaac      180
aggctctgtg gtaccagcat atatggagga gcaaaggacc ggagctgaga atgagccatt      240
ggcgatatga agaagagctg ggtggtgcac tcgggcatag atcgccaggc ttgtatatgt      300
cacgtgtcgc atgctctagg cacgttccac tgccaagtgt gactaggaaa atgaccacac      360
cgatgtatat aatgatgagg aatatggagc ttgcgagcct actgtggaca tggctgtgga      420
gatgatgggt gactactgta tcgaggccaa gcacagatag tctgggacat ggtaatgaac      480
gagtcggtca cgatacagat gcagatgtta tgcagcatgt cagctgtact actatgagac      540
gacgga                                             546

```

&lt;210&gt; 8558

&lt;211&gt; 450

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 8558

```

tgaatttgga taatatgtga ctgaaacacg agtggcaata aaaaagcaaa catgaactct      60
ggggtttaat agatcattac atcagtatca tagaccatgt gactgtgggg cttataactt      120

```

gtgtagccta atgaagtgcc aaaaaagaga attatgattc aaggggagcg gatgaacacc 180  
 actattacag ttacagttta tgctgtatat ggattacatc aaacaaacaa agaacttgct 240  
 tgcgaatata ttatatatgc tctgtgaata acggatatgt atgtagtaga ctgtactcat 300  
 gctaatacaa aatgctcagc gatataatac cgaatgcgac tggacaaact gattccttca 360  
 gttactgatg gaagggcggc acgatcttct gaatatattg catacctgac atactgacgg 420  
 gaagaggaag tgatgagaag cctataaaaa 450

<210> 8559  
 <211> 274  
 <212> DNA  
 <213> Homo sapiens

<400> 8559  
 cacatgggga ttatatTTTg tattggcaaa atgagaccac agctggcctg ccatcagatc 60  
 aacataaaaa ccagtattat ggtatatgag atgaatggat agaggtgggg tttattcctt 120  
 attatagaga aacaaatgta tgtcttcac acgtcttatta gggacatgaa tagacgaatg 180  
 tacaagtggc ttgcctacga gcctgtgcgc ttggcctacg agatcaatag ggggagacag 240  
 aaggaataaa cgatgggggtc tggacaactg aggt 274

<210> 8560  
 <211> 178  
 <212> DNA  
 <213> Homo sapiens

<400> 8560  
 acgggggggag gcctttcgtg cgagttttgc ttcacaagga aattagctgg aaaaggcttc 60  
 ttaaagaaac acaagggaaa aggaaatagg gcacaaggta ttattgaaat tcttttaaag 120  
 agcagtagga gcttgaaagt ttagaacctc cattatgaat tccaaccacg gaaaagcc 178

<210> 8561  
 <211> 194  
 <212> DNA  
 <213> Homo sapiens

<400> 8561  
 ggggtacacaa gttcatacag acatctgtca tattctgagc agcacatatg agagaagctt 60  
 tgtgttctcc ttgctctctt gcatgtttgt tttgagcttg tggctccaca gagactctca 120  
 tggatttatg acaaaattgg catgcgaatg atttttgaat cataacttgt ctattattat 180  
 gctgtagtgt ggta 194

<210> 8562  
 <211> 322  
 <212> DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 8562

```

actactgtag tactggaatt tttattgttt taaatgggta gaaaaatggg aatataataa      60
tatatgatat ataaacttta aatgaaaaaa aatgatgtat tgtagatatt tgatgtagtt      120
ttatTTTTTT aattaatcat aaatcagact ttgattgtat tgtagtgata tatgactttg      180
aatatattat aaatgggaaa tgttgatttt ttaataatag acttatatgt aggggtgttgt      240
tgcggttatg ttgtgtgagt gaagtgtttg gttttattta gtgtgggggg gtttatttaa      300
agaaaaagaa ggtagtatta gg                                          322

```

&lt;210&gt; 8563

&lt;211&gt; 354

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 8563

```

gtgctactgg gaacataatg ggtcagggtg ctatctaaca cgaatgatca atgtgactac      60
atctgaacat ggtgttcagt gtgtgagact cacacagagc tttaccaggg tgtgaagatc      120
tgctgtgtgt gcgagcttct tctattaatt aggaggactc tgtgatggac tgacctggat      180
ggcatatata tgggtcgatt gcctcagcag atgagtatct gcagataaag cgacgttatg      240
aggtaggtga agatcaagac aacaacatac cttatttggg acgactgagt atacacagtt      300
aatgagcata aacgaaatgt tatatatgat gagtgagctg atggcgagaa acag          354

```

&lt;210&gt; 8564

&lt;211&gt; 226

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 8564

```

gttttttttt tttttttttt tttttccagc tcaacccttc tttaatgtca tccagggagg      60
gggccaggga tggaggggag ggggtggagga gcgagaggca gtgattgggg ggtgggattg      120
accacttggt ccatgaagag gggagactgg gtatttgggt caatcatata aaaagacaag      180
ggggtgggcg aactggacct ggggggggat aggacggggc atgggc                    226

```

&lt;210&gt; 8565

&lt;211&gt; 370

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 8565

```

acagaggacg ggaacaacaa agagtctgtg aacacacatg caaaaaact ccataatctt      60
atgtacgcag actgaataat gatctgctgg gatgggaaaa tgacgcaaga acacggatgt      120
cacgaaacat accgtataaa cgagggtggg aatgaatgta aagaaaagct gtacgtagtc      180

```

ctgcagagga tgtaacatga agatcaagca gctgataagc tggcagatga catcacacaa 240  
 tacataacag cctgcaacaa ttatatcaga tagagagaca gaacattatg atgaggaaca 300  
 atgaaatgat agtgatacag acaacgatgt agagaccata gcttgaaatg atggaagaaa 360  
 gtgaagtgaa 370

<210> 8566  
 <211> 226  
 <212> DNA  
 <213> Homo sapiens

<400> 8566  
 caactaggaa atatcggaga atgagactca gaagtatgct atgggatgct acottgaagt 60  
 cagaataacg ctgtgtttac catggaataa acgttaaatt actgttgctt tttggataag 120  
 tatgtattac ggcattgctgc acgataacac cttgtcgatt taaatttgat tttttgtttt 180  
 cgtccatcta atgcattaca tgctcatctc gaaagactta aaatat 226

<210> 8567  
 <211> 194  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)..(194)  
 <223> n = A, C, T or G

<400> 8567  
 acggatgatg aaatgatgac atcatctacg agtgcattgct tgtaaaggac agcttagaac 60  
 agtcctatat gaacaatcac acctatcatg actggataaa ngaggcctag cgttgggact 120  
 gatacacaca caacaacaca gtgaagatgt ttattngagt gtatttattc tgatgccata 180  
 ggtaatgtag tttt 194

<210> 8568  
 <211> 578  
 <212> DNA  
 <213> Homo sapiens

<400> 8568  
 ggtacaatac gtgcatcatg actgtcatta gaaacttggg gctatgtggc caagttcact 60  
 gttcattttg gtttttccat tttcattcag aaagtcacctt tgttggctctg tggagaaata 120  
 tatatggaag tgtcacagta acatacactg tgatgtaatg tgttttatgt actgtttttg 180  
 agacaggctc tgtgacagtg atcatatgat ggaggagcat aggacgagag cagagaaaga 240  
 gtcaagataa agccgaacaa gaccggaaat ccggaattgt gcacagatag ataaggctac 300

cctagtcagt gacgcaggat acagaagtgc ttgatctact gtgcttaggt gttttatitta 360  
 tatttagatg aaaaaaatga taaccaccat ctaaagtcac agagatgctg tgaagagatg 420  
 tggaagcaat gtgagtgttt tgataataac ataaaggact gaaagggggg aaatagtagc 480  
 ctataaagta gttaaggatg catatgaaca taaaaaaca gagcaagaaa ccggaaaaaa 540  
 agaaaaagaa ggaggggaacg aagagcaaaa aaaagaga 578

<210> 8569  
 <211> 226  
 <212> DNA  
 <213> Homo sapiens

<400> 8569  
 aaaaaaaaaa aaaagctaga acaagtccta tttgtttttt ttcttttttt gtaatgtgtc 60  
 caattttattc aagatactcc aaatcaaaaa cagggcacaa caccaagccc gcggcccaac 120  
 acgcgacgga caagctgaaa atgtttttta agcaagtggg gggatatttt gttgaggcgc 180  
 gacgaagaga gaacaaaaaa ccacacaaaa caaacaacga aaaaga 226

<210> 8570  
 <211> 194  
 <212> DNA  
 <213> Homo sapiens

<400> 8570  
 acagtcacag atgaaacaac atttgtaagg accatttatg taaactgctg agatgttatg 60  
 ttttcatttt ggttttcaca gacacattca agctctgtcc gacatgccat taaagcactg 120  
 gctcagaccg cacgcatatt ttcatttttt aagtaactgg taagtatttt ttttctcaca 180  
 aacgcacacc ggta 194

<210> 8571  
 <211> 274  
 <212> DNA  
 <213> Homo sapiens

<400> 8571  
 cagggactcg ggctaagatc atgtgaatcc agtggatgtg ggtcagatat ggacagtgtg 60  
 tgactagtgt cattaatcta tgactgaatg ctgagacaca cctggcggta ctagaaggaa 120  
 tgaaccacaca aaggaacgca ccagcaatgt gttcatgaca catatgatgt tttttagtat 180  
 atcatacaca cgcgagaatc atcactcgca gacttagcgg cagagaacta tagagacgac 240  
 gactgtcagc gagcagccga aggtggcact ccaa 274

<210> 8572  
 <211> 274

<212> DNA  
<213> Homo sapiens

<400> 8572  
gtacaagctt tttttttttt tttttttttt tttttttttt tttttttttt tttttttattt 60  
taaatacaatt aaagatttat gaaatttatt ggggtacagg gaataaccgg gacaaaaggg 120  
ggagaaaagt tggtaaaaca agtgtatttt aaatattcta tacaattttt tttgtgtaca 180  
tatttggaag tgatgggtat ttaaaaaaac cgcataaaaa tccacaacct taaatattct 240  
gcaaaacaaa acattagggt ctctcttcct taat 274

<210> 8573  
<211> 162  
<212> DNA  
<213> Homo sapiens

<400> 8573  
gttaggggga aaattattaa tgattaattt ttattttggt gtgtattggt atttgtgttt 60  
cttattgtat atattgtgga aggtgttggg agtgaagttt ttgatttaga gatttgtgtg 120  
agttttatta ttataatgat tgatagttgg tagaataaag ta 162

<210> 8574  
<211> 274  
<212> DNA  
<213> Homo sapiens

<400> 8574  
aaggcttttt tttttttttt tttttttttt tttgggtggg aactcatttt tttattctta 60  
tatattatat attggatatt ttacgaatg ggatactttc ctttgggggt cagtgcacagg 120  
tggtaaaaaa atttggaac atcaggtctg aaatagtctg agatgggatg gacttataag 180  
gggcaactgg cacattcaag gactgtatga aatggcatta aaggactggg ttacaatgga 240  
ggggtatctc taaaccggga gtaactggaa cgca 274

<210> 8575  
<211> 354  
<212> DNA  
<213> Homo sapiens

<400> 8575  
ggtattgatt atggaaaaaa tgaatctggt taggggtttt ttcccttaaa ggaagggaag 60  
gaattttttt ttatgggaaa aaacaatagt taaaaaata aattgttttt tgggaataaa 120  
taacacgtta aatggaatgg tataaaatat agatattttg ttaaaaaagt ttacctttgg 180  
gtataataac aaaaagggga atgggttttt tttgtaatga aggccggggg ttatgtggaa 240  
gcaaccaata ttaagggggg tgggctgtcg atttagcttt gggttaaaaa aaatgggttt 300

ggggctgtta attgttattt ttagggggga aaggggggta gaaagttgtt ttaa 354

<210> 8576

<211> 434

<212> DNA

<213> Homo sapiens

<400> 8576

gcacgattag gaatttatgc ctattatcat agggatcgac atggctctct tctctctcac 60  
 ctgtgatgct actgatatct tttgtcatct ttctgattgt gggatgagga aagtcttcat 120  
 gtttttatga tatctctaata cttgtacacc tcggaggagg tgtgttttca tctggggcac 180  
 ttgtaatggg ggagctttgc tcgatatgcc atttttgcac tggataagat agtaagcata 240  
 tttggcaact ggggggcaac tggatagcat aaattaaatc ttaaagctg gttgtgccat 300  
 ctatggaagt aaacataatg accaggggat aatgcctagg ctgggtgagt atatcgggccc 360  
 tgaaatatag gcttgtatgg gcatattctt ggactaattg ccacaagacg aaggataaag 420  
 agaaaataga acag 434

<210> 8577

<211> 242

<212> DNA

<213> Homo sapiens

<400> 8577

ctatgttttg ttgattatgt tgtattagtt agaatgggat tgttttgttt ttggttgttg 60  
 ttaagtgtgg tgttgtgtgg tgttgtgatg gagttgtttt ggtagaagtg gtgtgtgagt 120  
 tgatcgattt agtaggggat gtttgataat gggttaaatt tatgtatgtt agggtaatat 180  
 gaatgattta aatgattttg tgtgaaggag agatttttatg aatgaaaaaa gaaaggtaaa 240  
 at 242

<210> 8578

<211> 450

<212> DNA

<213> Homo sapiens

<400> 8578

ctcggagggtg ttggcttggt tgatgcttcg ccagggtgagg cgattgggtg gtgcgtgtca 60  
 catacttttt ataatacaca ttcacatcca gtgttgagct tgcggcggtg ctgtggatga 120  
 acatgccaca cactgtccga cagggtggaga gatattgtga aagtgtgggg attgggtgagt 180  
 gagtggtttt gtgtgatgaa tctggcgatg tactttgcgg tcggatgagt ggtgtctgaa 240  
 tgagtgcgtg aaggctctga catatttgac aggagtgggtg cgttttgtgg ttagtgtcac 300  
 cgtacgtgat actgatatgt gatagtggag gagatgattg tgtatattga gaggatgggtg 360



caagagtgaa gtgaaagaga gaaaaagttg ggagggagtg gagagattag aggaagatga 420  
 aaaggggatg tgggtgtgtgt gtatgtgagc 450

<210> 8579  
 <211> 290  
 <212> DNA  
 <213> Homo sapiens

<400> 8579  
 caggtacaag cttttttttt tttttttttt tttttttttt ttttttttta attttaaata 60  
 aataaagaat atgaaaattt tttgggttca ggggataaag tggaaaaaat ggtggaaagg 120  
 agtgggttaa aaaggataaa taaaatataa taaatattaa ggttgggtaa aaatttggta 180  
 aggaggggta tttaaaaaaa atggaaaaaa attcaatact taaaaatttg gaaataaaac 240  
 aaattagttt ttttttataa aaaaaagggg gggggaatgt ggtgggggta 290

<210> 8580  
 <211> 402  
 <212> DNA  
 <213> Homo sapiens

<400> 8580  
 aagctttttt tttttttttt tttttttttt ttgggtttaa ggtttttttt tgaaaaaaaa 60  
 aaaaaataaa tgggggtttt atgttttttg aaaaagaaaa aaaaaaggga agggggacat 120  
 tcccatggg ggaaattttt ctttgggtta aattatttta attatgggaa tgaaaactta 180  
 tatcaataac aaggacatt aaaaaatat taattaaaaa aaagggaagg gaatgggggg 240  
 agggagtctg ggggtgggag ggaaggggtt tatgggaaaa cattcggggg taaggggact 300  
 ttcctggaaa atttctgggt ttggggagat taagttaatt tcagggtatt caaatttctc 360  
 gggcgggggg ccgatgcacc ctaatgattc gaccactag cc 402

<210> 8581  
 <211> 226  
 <212> DNA  
 <213> Homo sapiens

<400> 8581  
 gtgttttttg atataatgaa accttttaag ggggttttac gcttaaagga tggaatagaa 60  
 tcttttttat ggcaaaagga taatgatcta agatataatt tgtgtggtgt gtttaaata 120  
 cgatttccaa tggaatgtga ttaatatcta tctgtgctca cgtagtcttc tctgtggggg 180  
 catagggata agtgcgattg ggtctcgttt gtagctaacg agaggg 226

<210> 8582  
 <211> 338  
 <212> DNA

<213> Homo sapiens

<400> 8582

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gcacggagga tcattgttct ctcttcttct tctgcaggct tgacaagtcc atcttatatc      60
tttggtatat cagcatccgc acgttcatgc tggctaaaga agctatcttg gatgattaca      120
ttacatatgt tagtcttatt gtggggatac tgttttgccg atgatggttg tttgaaagct      180
gcgatttgat gtaccaagtt ttgattttct gccttttaaa tattttgttt tttttttctg      240
ttatgttgta ggggtgattg ttgggtgggt agtctttctt taccattatt gtaacccttg      300
tttatttttg ggatatttta tgtattgtat ttaatttt      338
```

<210> 8583

<211> 466

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)..(466)

<223> n = A, C, T or G

<400> 8583

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cccaagactc tcatgattgt tcgaccttg gggctatttg tatttatgac atcattcaaa      60
tacctgcttt ttgaaadact aatgcctacc tgccctgggt ggtaacaatg ttgtaagggt      120
tgctcatttg agtgaatgta ttttatattt ttttcatctt ggtactagtt ttttgttatt      180
tctttcgtaa tattctactt gggtttgatg tatggctact atctcttatg ttttcaactca      240
tgtacttang ggcttttttag gtttttagttg ttaatgtgtg tggatatttg ttctctatat      300
tgttcataga tattttattt actgattgta gtgttgtaaa atttagatga tttcatgatg      360
aactcattaa ccaggaaatg gacgtgcgta atacgtatat tttttgtttt tgactgtgtg      420
ttctttaata agttcttgaa ttttctattg cgagtgttag atggag      466
```

<210> 8584

<211> 210

<212> DNA

<213> Homo sapiens

<400> 8584

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gttgtgtttg tggaaatgtg accttttttg ggggtttttg cttctagggg agtggatggg      60
tatgttgttt atggaatgag aatttttatg taaaaaatat ttgttttgt gtgtattaaa      120
agggttatta gatgatgtgt tcttatttta tatttatgtt aagggatggg atttttgggt      180
tttatttaca agagagtgtt ggggtgtttgt      210
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<210> 8585

<211> 338  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)..(338)  
 <223> n = A, C, T or G

<400> 8585  
 ctggccttca aaaagtcgta gtggctatTT tttttggaca aaagtaagaa atgttgTTTT 60  
 aggagtaaca cagttcaaaa gagcttttaa gaagcatgca cacttatcac aaacaactct 120  
 ntcagggtggc cagtctgata ttggatataa ttatttatct aaagatgaag ttagaagagg 180  
 ggatacatct actgaagaca ttcaagaaga aaaagataaa aaagggagtg attgtagtTC 240  
 cttgtcagag agtgagagta cctcggggga agaagcatgc atgtctgtgc tgatcccagt 300  
 gaatcctggg tccaggagta cctgcggtat ttatTTTT 338

<210> 8586  
 <211> 210  
 <212> DNA  
 <213> Homo sapiens

<400> 8586  
 gggttagtga acttgtgact tttgcatcct aatgtatgct aaaaaatTTT tacttccaac 60  
 accatgatat tatgagcgac tgTTTTgtgc ttgctaata gaactacctgg gctgtgatct 120  
 acacagactg taagtctcat tggggacaaa ctgctccaag gaactgttgt gattgtaacg 180  
 ctgctatcgg gatgaaacct ggcgcttcag 210

<210> 8587  
 <211> 466  
 <212> DNA  
 <213> Homo sapiens

<400> 8587  
 tgattatgga atcgtgaata tatacaaggg ttttttcccg tataggaatt gaatgcacta 60  
 tttctgatgt gggacacatg ctctttgata taatacattg atgtatgtga ttgaattatg 120  
 tgtctcattg atgatgatat acatactttg atatacatgt aatgtcttct ttatagtgtg 180  
 atgtatgata gtgcaattgg tcaccatttg tggctgaggc taggggtagt ttggaggatt 240  
 ccaatcttga tatattttaga gtatgcatca tacttttggg tgaaattatt cttgtcttgt 300  
 gatatatcag atattagctc aagggaactg ttatcaatgt ttttgtcgaa tgactttgat 360  
 gatgttgcta tgctggcaca tctctcagaa gatgtcaagg gcacattctc agattgctcc 420  
 acatcctatg cattctattg aaattctctg gctgcgtctc atcaca 466

<210> 8588  
 <211> 178  
 <212> DNA  
 <213> Homo sapiens

<400> 8588  
 gggtagatca gctgcgcca tcattctcca ctgcatgctt gacaagtcac atacttataa 60  
 cacacgtata tcaccaaccg caccttgatg ctggctataa gagctaaata gggagataac 120  
 aacacaccgt acggacactg gggacatatc gtaacacagg agtcataatg gagagaaa 178

<210> 8589  
 <211> 530  
 <212> DNA  
 <213> Homo sapiens

<400> 8589  
 gtacaagctt tttttttttt tttttttttt ttttttttat aaaacaacgc aataccaacg 60  
 aaatatgaga caaaacaata aaaaccaaag aaagaagatg gggatagtag aaaaaaccag 120  
 gttgcttgca aaaaagacac atattacctt aggtcccccc aaagataatg atggactttg 180  
 aaaaaaacca aaataaaata cggaaaataa atattaaata aataaaaaca taaaacctac 240  
 tgttataaat aacataaagg agagttaaac ttggatgaga tgcttaataa aattaaagta 300  
 tgatgcgata agaataaaga actattaatt ggacaagtcc agagaggcac aaattactat 360  
 gaacactaaa ccctccatga tgggcaagag gaaccggcaa cccagcggg gaggtttatg 420  
 gtctgggggg acgtccgatt ccaggggaga aaaaccagag cttgtaaacg ttattgagac 480  
 ttctactgga gagacgcaca atatatttca caccaatctg ttgtgggagg 530

<210> 8590  
 <211> 386  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)..(386)  
 <223> n = A, C, T or G

<400> 8590  
 taccggttgg ggtcccaagt gacagtgtaa ttccaggggg aggtggagcg gctctcgatg 60  
 ttacgtgaca tggaaacgcg ctgggttttca ttgatgatgc caatgtcaag cttcatacta 120  
 cctcctggca caggcgggca actctcangc ttttggaana aagtatgtcc tactttgggg 180  
 attttccgag ctgccgcctc actcagaaag gcaagcccca atatcgacag cagcaagtac 240  
 ttgaccatgg ctgggccatg caggggtctc actgtcatgt tgcgctgggt gcttactttg 300

tgcaggaagc tctttctgtg aatgtatctt cctgaccctg ccgggcggaa gataaaacaa 360

aaacgagaag aacaagcaag acaaga 386

<210> 8591

<211> 162

<212> DNA

<213> Homo sapiens

<400> 8591

tattaaaaaa cctaattctt cacccaattt ttttaatctg ccaggaacac ccaataatat 60

ttttaaatat atcactttaa tagacttttc ttttagatgt cttttcttgt aaaggaagag 120

gtgatatggt ttcatttga tgtgcttaat tcaagttgat ta 162

<210> 8592

<211> 386

<212> DNA

<213> Homo sapiens

<400> 8592

tttttttttt tttttttttt tttttttttt tttttttttt tttttttttt tttttttttt 60

tttttttttt ttttaaacca aaatattttt tggaggatta tttgggggtt tttttaaaat 120

gaatgggggtg gtggaacagg gggccttttg gggttggggg ggggtctttt ggggggtcca 180

tgctgaatt ggggggatta aatttttagg gggcctattc gaccagttgg ggggggtttt 240

tgttttttaa ccgtgggcct tccaatttta ctttttttgg ggcttggggg gggagcccaa 300

tttggcacag ggggattttt ggaggggggg gggcttaaag ccacaggggg gggaaaaagg 360

ggggctttca ttgggacctt ctaaaa 386

<210> 8593

<211> 162

<212> DNA

<213> Homo sapiens

<400> 8593

caagcttctt tttctttttt ttttcctttt tgactttatc acaaaagtcc aaattatgac 60

ccatgaaaaa atagagcgaa ataaccttac tgatgaaaga atacatggac ctctgcatag 120

atcacaagga catgggggga gaagggcgcg ccacgcgcgc ct 162

<210> 8594

<211> 194

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)..(194)

<223> n = A, C, T or G

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<400> 8594
gaccgtccta agtaatcaca ccgtacactg cacacaaaca tgggcaacca gcagctgctc      60
ctgcatgctt taagtgtagg aatnacatga acatgaaata gtggacaagg agaaacaaca      120
ggccaaggaa ccagctatca taggacaaga cagaaatgaa aagacatgac caacgtactg      180
gagcggcggtg atag                                                         194

```

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<210> 8595
<211> 402
<212> DNA
<213> Homo sapiens

```

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<220>
<221> misc_feature
<222> (1)..(402)
<223> n = A, C, T or G

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<400> 8595
tgcttaaccg atggctctga tgtggtcagt gaccttgaac acgaagagat gaaaatcctg      60
aggggaagttc ttanaaaatc naaaagagaa tatgaccagg aagaagaaag ggaagagaaa      120
aaacagttat cagaggctaa aacagaagag cccacagtgc attccagtga agctgcaata      180
atgaataatt cccaagggga tgggtgaacat tttgcacacc caccctcaga agttaaaatg      240
catttttgcta atcagtcaat agaacccttg ggaagaaaag tggaaaggtc tgaaacttcc      300
tccctccac aaaanagcct gaagattcct ggcttatagc atgcgagcat tgaaagacca      360
atagcaaact tatcagtacc tgcccggcgg gcggnatgcag gg                        402

```

```

<210> 8596
<211> 210
<212> DNA
<213> Homo sapiens

```

```

<400> 8596
tttttttttt tttttttttt tttttttttg gtttttttaa gtttttaaac tttttatttg      60
cataataaaa aaattgtgca ttccaataat taaaatcatt tgaacaaaaa aaaaaaaggc      120
actctgaata aactggatta cagcctggca ggacacctgg gccagcttgg ggctactcta      180
aaatccactg gcggcccacc ccacctcccc                                     210

```

```

<210> 8597
<211> 210
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature

```

&lt;222&gt; (1) .. (210)

&lt;223&gt; n = A, C, T or G

&lt;400&gt; 8597

```

cccacactgt caaatgtcaa ctccaccagc atctganaac aatgagtagt atgatgaaat      60
gtagaaagaa ggaaggtggt aggtaaagga gcggaatgaa cgagtgggga aaggaggaag      120
gagaganaga gaaagaggaa gagaaaggaa gaagaaaaag acagcatggc ccggcctaga      180
cacaaaacca ggaggtgatc aagctcagca                                     210

```

&lt;210&gt; 8598

&lt;211&gt; 210

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 8598

```

cgctgattga aacaccacta tattttctgg atttaaaaaa accttctact acccctcaaa      60
atgaagaaat tcgatgagtt gttatactaa taagatagcg gcctatgact gaaaatgctg      120
tccgccaaaa tggacgactg gtcaaaaatg acacactgta tggacaatca acaacacaca      180
ccacccccga aagcaacgcc ggcaggaccg                                     210

```

&lt;210&gt; 8599

&lt;211&gt; 290

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 8599

```

gaggtcgagt cctgctgggc ttggcaacga gggactcgga ctcggcagcg acccagacca      60
cacagacact gggtaagga gtaagcagag gataaacaac tggaaggaga gcaagcacia      120
agccatgatg gctacagcgt gtgctggtgg aaaccaagat aaagatgccc attttgcacc      180
accaagcaag cagaggctgt tgtgttgtcc aaaatcaaaa ctgcacatca acagagcaga      240
gatctcaaag attatgcaag aatgtgagga agaaagttag tgggaaaaag                290

```

&lt;210&gt; 8600

&lt;211&gt; 258

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 8600

```

cgggctcgga ggccgcttca cgttcacctc ccacacgccc ggtgaccatc aaatctgtct      60
gcactccaat tctaccagga tggctctctt tgctggtggc aaactgggtg tgcattctga      120
catccaagtt gggggagcat gccacaact accctgagat tgctgcaaaa gataagctga      180
cggagctaca gctccgcgcc cggcagttgc ttgatcaagt ggaacaaatt cagaaagagc      240
aagattaaca aaggtatt                                     258

```

<210> 8601  
 <211> 338  
 <212> DNA  
 <213> Homo sapiens

<400> 8601  
 aagctttttt tttttttttt tttttttttt tttttttttt tttttttttt tttttttttt 60  
 taaaaaatg aaacattttt tttaacagaa agaggggtggg ggggggtggg taaaaaaggg 120  
 tttttgagaa agttttaaac cgaccaggt cttgggggaa atttttggg ttaggggggg 180  
 gggaaaaaag gcctaagctt taggaggggg aatttggggg tttttgttg ttttgtttaa 240  
 aatagaatth tttttggctt tttttggca ctggtggtgg gggggggggg ggaaaagggg 300  
 ggcacaggth tctgtttttg tttgtcccc agatgtht 338

<210> 8602  
 <211> 162  
 <212> DNA  
 <213> Homo sapiens

<400> 8602  
 gaaggcatga tgthtttgatt tttttttttt atttattatg ctaaataagg gttaaacagt 60  
 gctacaagcc ggcaaacaaa tagtacgat ttcacgggag aagaagcagg accacggcga 120  
 atagaaatga tgccgaacca aaaagctgag aacatgttgg ga 162

<210> 8603  
 <211> 402  
 <212> DNA  
 <213> Homo sapiens

<400> 8603  
 tttttttttt tttttttttt tttttttttt tttttttttt tttttttttt tttttttttt 60  
 ttttttttta aaaccaaaaa atttattgga tgattaatgg ttgacttttt taaaatgaat 120  
 gggatggtgc aacagggggc ctttggggtt tagggggggg tccttcaggg aatccatgcc 180  
 tgaattgggg ggatacaatt tttaggggcc ttattcgacc acttcggggg gtttttcctt 240  
 ttttaccctt ggcaactccag tttttctttt ttttgggctt ggcggggggc ccacattggc 300  
 caaagggcga tttttgaagg ggggaggcct taaagccaaa ggggcggggc aacggggggg 360  
 ttttattggg acgctttcaa aaagaagaag tttcttttgt ta 402

<210> 8604  
 <211> 494  
 <212> DNA  
 <213> Homo sapiens

<400> 8604



tacatcttaa ataagtctaa taatttttggg tcatcttaaa gtaaaaatac attgaaatga 60  
 atgagagaga tctagatttt aaaaaagttg accatttcatt attgctggaa ctgaagaaag 120  
 gaaggataca ctggcatcac gattttgtcta cataagtcca gttcatctcg cgtttgtttt 180  
 ggcaagaaga ggacactaca aaactcacag tgcagtcaaa acaaaacaaa acaagaaaaa 240  
 agcacaaaaa tggctcgggtgg ggaaccatat aacaaaacta catctcaggc agctctttct 300  
 caaggaagat tctaagatttt tattatgtgg ctaattctaa attggaaatg gaacatgccg 360  
 gtatgtgaag caattgggtgc taggacttta ccccttgctg atatgcaatg ataatgtgat 420  
 gagctttagt gactcttgaa tcaggataat cacactcttt aggtacctcg gccgcgacca 480  
 cgctaatacac tagt 494

<210> 8605

<211> 178

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)..(178)

<223> n = A, C, T or G

<400> 8605

ctctngagct tgtatggagg taagagtaga aacaccatta tgattgtaat aaacgagtgc 60

ttgaatgatc tggttatggg tggctgatat cacactatgg tgtagctcat gtgagtgatg 120

ctcatgatgc tagtaatacc gatgtgggta tggatggaga ctaatanggg gattgatc 178

<210> 8606

<211> 194

<212> DNA

<213> Homo sapiens

<400> 8606

taaggaaaga agtaagaatg aaattgaaga aagatgatta tgaaaaagaa gggagaaaaa 60

gagaaaaata atttttttat gtttttatgg tttttatatt ttttgatatt tttttgatta 120

aattttatatt ttatgaaaag aggtttgtgt tgtttggtgg attttttttt gttgtataag 180

ggattgtttg ttga 194

<210> 8607

<211> 306

<212> DNA

<213> Homo sapiens

<400> 8607

gtactgtttg gtaccttgga ttgcatgagt tgggtgggggc cggcgggcct agccactggg 60

```

cgtggaacga caccggtaat agtggtgatg gagtgtggaa tagctgttac ccttcactat 120
gaccgctata acacatgctg aacgatggat cccattgcac aattgtatag tgttgagggc 180
actactggga gcgattctta tacccaacaa gcgatacacc gacataacaa atgggtgggat 240
gggtataatg atcatctgtc gctgccacat cgataaatac tgaattgata gggaatatgt 300
tggttg 306

```

```

<210> 8608
<211> 306
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)..(306)
<223> n = A, C, T or G

```

```

<400> 8608
gacgtgctcc acgtggaacg gtggttccat actgtccctt ctgtacacta tacaacgnat 60
gtgagaagca aaacangatt atgatgagat atggccctac atggtttacc gacatatgct 120
tatatgaaag actatgactt attctgcgtt acatcacctc tgttgtaaa gatggtaact 180
tgcgataaag acatgatgag attgggtgtg ttttatttga atttttgggt ttgatttggt 240
ggttattttt atattgtatg agttgagtat tatatttttag taacggcaaa tgtgtcaccc 300
acattg 306

```

```

<210> 8609
<211> 242
<212> DNA
<213> Homo sapiens

```

```

<400> 8609
gggcaggtgt acgcgtcgtt atctaatttt tctgaatcgg aggccaaaag aacaaacaag 60
ggcacgaaaa taggccatgc cttttttgga catttataaa aggtttttgt tttattttat 120
atagatgggt gattatttat agtggatgaac agttgtataa gatggttggt tgttgccatg 180
tttttgaaaa tataatggat agattgtgtt catggaattg gtttatattt tgataataga 240
at 242

```

```

<210> 8610
<211> 226
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)..(226)

```

<223> n = A, C, T or G

<400> 8610  
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 ggagnaggtc tgcggnctag gnagnntcaa taaagtggat tggctctagt ggggcgaaat 120  
 attatgtntct ttgttggttg gtatatatgg nagggatggg gnattattgt ctaggtatga 180  
 gggatgggtat agtgaatagg ggcaaggcac gtcctcccta gttttg 226

<210> 8611  
 <211> 194  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)..(194)  
 <223> n = A, C, T or G

<400> 8611  
 gctgcaacgg ctattattca tcctagtggg ntaatggagc antaggttag tattttgcgt 60  
 tgctgggttt ggtttaatcc acctcaactg cctgctatgt aggcataata ttgagtatag 120  
 tgaggagaag gcttacgttt cagtgtgggc atagtattgg gtatatggag cgtagatggg 180  
 ggactgtact tgtg 194

<210> 8612  
 <211> 274  
 <212> DNA  
 <213> Homo sapiens

<400> 8612  
 ctgcaagcag gggggacgag caacgtgaga tgagcagggg atggccaggt gaagcggctg 60  
 gagatgtttt aatgcaccgt cgcaggggtgc aaatgagaga gatcacaagc agcaaaacaa 120  
 ctggatgaga cgatgggagg ggcaaggatg ccagatgtca agagatccat agcgtgaga 180  
 ggaatgtggg aggggggatgc tagagtcata gtaaagggga aaccctatgc tagctgtcaa 240  
 cagagttcac aggggggtacg ggataactgt cggt 274

<210> 8613  
 <211> 157  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)..(157)  
 <223> n = A, C, T or G

<400> 8613  
 gntacatggn cctgnttctc ctatatggna anaaaaanac atccccgcccc tгнаatttcc 60  
 cagntcctct gnagnatttta atgggtgcct aaggagcata taatgaatgt cattgccatt 120  
 tacgaggtac ctcgcccgga ccacgctaат cactagt 157

<210> 8614  
 <211> 177  
 <212> DNA  
 <213> Homo sapiens

<400> 8614  
 ctactgttcc aagaatggta aagaggtagc ttacgggtgc tcctcgaatt cagttaaaaa 60  
 gaaggggccc ggggctagga agtcaataaa gggattggct ttatgtgggc gaaaatatta 120  
 tgcctttgct gttgggcata tatggcagga tggggaatca caccaccacc acaacct 177

<210> 8615  
 <211> 306  
 <212> DNA  
 <213> Homo sapiens

<400> 8615  
 tagggggggg ccccggggcg aggggccaca acaatgtaaa ggcttatgct gggaggaaaa 60  
 gggcaagggt ttgccggtgt ttttttaaaa attatttttt tgataggagg gaagaaccgg 120  
 ccttcgaagg gaaaataagg tacctactaa aaaggggccc ccttaattta aggttaatgt 180  
 gttaaagggg gatgcccgcg gtccctgggc ggcaacaacg taaataacaa gggaactggg 240  
 ggccgcggga ggggggaaaa taggggaaaa ctcccaaaca gggggatgaa tagttgggat 300  
 tttata 306

<210> 8616  
 <211> 466  
 <212> DNA  
 <213> Homo sapiens

<400> 8616  
 gatgtgatta tcctaattca agagtcacta aaactcatca cattatcatt gcatatcagc 60  
 aaagggtaaa gtcctagcac caattgcttc acataccagc atgttcatt tccaatttag 120  
 aattagccac ataataaaat cttaaaatct tccttgagaa agagctgcct gagatgtagt 180  
 tttgttatat ggttccccac cgaccatttt tgtgcttttt tcttgttttg ttttgttttg 240  
 actgcactgt gagttttgta gtgtcctctt cttgccaaaa caaacgcgag atgaactgga 300  
 cttatgtaga caaatcatga tgccagggtta tccttccttt cttcagttcc agcaataatg 360  
 aatgggtcaac ttttttaaaa tctaaatctc tctcattcat ttcaatgtat ttttacttta 420

aatgaacca aaaaaattaa acttatttaa aaagagaact gccggg 466

<210> 8617

<211> 402

<212> DNA

<213> Homo sapiens

<400> 8617

cctgggaaga aaatttggtt ggtggagggg aacgggggca gctccaaaag ggatgctgtt 60

gttaggggct taaaaacatg gcctgcccc gggaaactga acaagggata gagggggagc 120

tccccaaaggc tcctgtgtgt tttactaaaa gggcaacagt ctcaagtggg ggctggaggg 180

gaatacactg tttttaaggg ttagggaaaa gagggtgagg ggatggaatt gaaaaaatat 240

atttattttt aaaaaatattg gggaggggaa tctctactga ccttggaaaa cgggaaacaa 300

gtgggcccct ggggcgaaac aaccctaata actaggggaat tggggggcgc cgggggggca 360

acactagggg aaagccccca acgcgttggg agaatatctg ga 402

<210> 8618

<211> 338

<212> DNA

<213> Homo sapiens

<400> 8618

ggcacgcggg cggggtgggg gcgcacaccc ccccttctgg cgcgcgcgcg gtgagggggg 60

gggggcgtgg gaggatgggg ggatacagta tcaaatgaaa aataaatgtt aaaaaatcaa 120

aaggggcggg ctccttaaac aattttggcg ggccaaaatg tgagggatatg gaggggaggg 180

aaaaaaaaag ggggggggca tggggggcgg tgggtatatg gttctttacg ggggggggga 240

tagggatgga cgcagcgggg gcgcccccta cgacaaacca cccgcaccct gccctccaca 300

catgcggggc tctctaaaca tggcttcctt ctaagaac 338

<210> 8619

<211> 258

<212> DNA

<213> Homo sapiens

<400> 8619

tctggtcaaa agtcaaaaaa atggagttaa caatgggcat aaatgtaaaa agtgactcaa 60

atgggaggaa aacctggggg ggaaggaggt atgcgggtga gtaaaaaactt gcaaagcagg 120

tggttaccct ttgccatgga acgctcgcct taatacacct gattaagcac acaaggctgg 180

ttgaaacatt aggcagggag ggtttgtgtc ggctgggcag gaaggggggc atcacgctgg 240

aagaggaaag cagcgact 258

<210> 8620

<211> 242  
 <212> DNA  
 <213> Homo sapiens

<400> 8620  
 gctgggtctgg acggtcaaga aaatgcggga taaactactc aactggctac tacgtggaat 60  
 gacactgtta tcgtcatcgt acagaacgac gacatccaaa cgcataattgt agagatacgg 120  
 accagtgtat ggaccagggg gatcgaggaa acccgcttca tctaataatga cctacaactta 180  
 taatatgttg aatgaggatg gtgagtgggc tgagcggaaa aaggggaccc actgataaga 240  
 gg 242

<210> 8621  
 <211> 226  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)..(226)  
 <223> n = A, C, T or G

<400> 8621  
 angaaataag actgaggggtt ctatctacac ttgtagcgga catcaaaca ctaatgagcc 60  
 aattcctcct gctgcaactg gtctaacgga tgcagcagtt tatactgac gacatgatct 120  
 ctaaagccca taagccgaaa aatggcatct gagatatgct gggccaggtg atgtttgtgac 180  
 gagatgtcag tgatcagatc atctaccttg tcataggcca tgaact 226

<210> 8622  
 <211> 162  
 <212> DNA  
 <213> Homo sapiens

<400> 8622  
 aattgccaaa tttgggaaaa acacttgtgt gtgggccaaa ccctgtgggtt aaaagaggtt 60  
 aattaataaa ttactgacg gggggagggg ggtaaggta ttgtgggtta aaggactgtt 120  
 gcgtaaaatg tctattcgct gcctacggct gccacaaaag cc 162

<210> 8623  
 <211> 194  
 <212> DNA  
 <213> Homo sapiens

<400> 8623  
 tgattagaga gacggggaac agagccgcct ttctacttgg ttgggcgtgt tttccctggt 60  
 cttattgttt gttctggttt taagctccaa aaaagggggg ggccatgtta tcttcaatat 120  
 gttttggttg tgggggcggg tgggtctttt atgtgacca cagatgtcca gaaaactagg 180

gaggggaatttt tatt

194

&lt;210&gt; 8624

&lt;211&gt; 498

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 8624

caccctaaca gaggggaaatt ttttttaaaa aaataaataa aataaaaaca ataagcaaag 60

aaaaatggat gtaatagggg tgggtaaact aaaaagctac aaaaaatggg tccctccacg 120

gaaaaaatta tggaactgta aaaaattgtg ggaagaaact atttgggaatt tctcgagttt 180

agtaaaacag ggaaagaata agggaaaaag tgggataaag aggatgataa atttgggtaa 240

gggtggggga attcaagcct tccaactaaa taaaacctat tttccatacc ccattatggg 300

ggggacccag gggaacgggg gcccatgttc tggaaaggaa ttcggggagc gggggggaaa 360

aaaaagcact ttttggccaa aatatagggg ttttgggtgtt ttcgggcctt tgaaggcggg 420

gggggacaca cagaaggggg ctataatggc aacacccta ataaaggag ggggcttcaa 480

agggaattta aaaaaata 498

&lt;210&gt; 8625

&lt;211&gt; 514

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 8625

aaattctttt gtgaattatc gtgaggaaaa aatatTTTTT attaaagaaa atctttaatt 60

aaacgagggg gactaaaacc aaaaaaaatt taccaaaaag ttaagcacct taatcaatgg 120

gttcaactct atttttcggg cggggggaaa aaagggggga aaaagccggg gagggttgga 180

gggggttttt taaattttta aactaattat aaaaataact tgggaggggg aaaaaaagg 240

cttaaccggg gtttttaaac taacagcaca gggtttcatt cacccttttt acctaccca 300

aaaaaaaaa aaaaaaaaaa aaaaaaaaag ttggcccctg ggggggaccc acgctaataa 360

cttagggatt ggggggcggc gggggggccg aaattggggg aaagctccca gcgggtggga 420

ggaatagttg gatttttttt tagggtaact taaatagttg ggggtattta gggatatggt 480

ggttttgggg ggaaattgtg taccgggctc aacc 514

&lt;210&gt; 8626

&lt;211&gt; 178

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 8626

ctgtgttggg gggggggcga aaaaaaataa aaagaagggt cttgagtggg gtggaaagag 60

ggggaaaaaa aaaagggggg ggaaaaaggg ggaaaatagg ggggggggga aaggaggggg 120  
cgcggtggctt ttttggtggt tgcgagaaag aaaaaaaccc cttttgaggg acgcgccc 178

<210> 8627  
<211> 482  
<212> DNA  
<213> Homo sapiens

<400> 8627  
aaaaaatggg ttaaaaaaaaa aaaaaaaaaa aaaactggtg ctaacatttt ttatatatttg 60  
ggtttttttt ttaataacat taaaaatgga aagagttttt attttaagtg cctctggggg 120  
taaaaacaac ctccatctcc ttggttaaaa aaacgctttg ggcccctgga gggaaaaaaaa 180  
tctgtgaggg gtgggaaaat catccaaccc ggaaaacatc cttcaacaaa ccgccaagc 240  
aaagagtatg aggggggggac atcaaaatta ggggtggggat tttaatggaa atctctctca 300  
taacctcttt tctttgggtc tacagtaggg gtaaaaaact ccaaagggga tttaaaaaaa 360  
ccaaaaatta tttaagggc ccctcgcccg ggaccacgcc attctttagg gatcgcgggc 420  
ccgcgggchg gcgggaccatg gggaagaccc cccaacgcgt ggggtgcatt ggttggtttt 480  
ct 482

<210> 8628  
<211> 482  
<212> DNA  
<213> Homo sapiens

<400> 8628  
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gttcgtctaa gacgtgaaga aaagctgatg gtttggtgtg tatatatgtt acacactgtg 120  
tgagtagtg ggcattctgct aagtgaagcc cacaagcact gtatttatcc ctgacctgta 180  
tactaccatc tgctgccctc cctagccgca ccaatctact accttatacc aagtattgcg 240  
gatatgatca caggtcatac cagacaatgc agtgaacaag tgaaagaaat gcatgtggtg 300  
tgaagtgtga tatataaaaa gcccatgcag aataccattg atgccctgat ggaagagaaa 360  
atggcagcaa aaatttcatt attctcacia gcctgaaacg cgtgaattac aagggtctaa 420  
agaaatacta atgcctctaa cctttcctat agctgctttt tatctgaagg gttccttgaa 480  
tg 482

<210> 8629  
<211> 322  
<212> DNA  
<213> Homo sapiens



<400> 8629  
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 acatacattt atgacgctag agcaagaggg cgagaataac gtggataata aaattgacaa 120  
 agacagcaga ggcctcaata cccacggact cctgtcttga cccgaagtag agactgttaa 180  
 gtcctgatgc gtcgcctgcc ctctcttcat tgctgccctg gaatgtacct gcccgccgt 240  
 tcccccaaaa cagcccgga ctggggctgg ttaatgcagg tgatgaacca gtggttggt 300  
 ttgtgtattg ttttgtttta aa 322

<210> 8630  
 <211> 338  
 <212> DNA  
 <213> Homo sapiens

<400> 8630  
 tgtgaactgg gacctttagt ggtgggcatt catgctgcat atttgtgtgt tgtgttgacc 60  
 tgggtggggac ggaacatcga gtcctgggtc gatgatggag ctgatggagg gctggatgac 120  
 taatgggcgg cccaggccgg gggggaccaa actccaacac aagacaggag cgagacgtga 180  
 ggggagggag ggacacacgg ggcggccatg gacgcagaca gcaccgtggg ctgtgcagtc 240  
 tttgttgagg gcggagcaca agccggtatg aggataggga taaaattaat gggatcact 300  
 tccctttttt tgtttttggg atttttaacc acataaat 338

<210> 8631  
 <211> 306  
 <212> DNA  
 <213> Homo sapiens

<400> 8631  
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 ggatcttatg ctggaaaatt ggtagagatt gtagatgttt ttgtatatga aaagggtttt 120  
 ggttgatgga tattgtttta aagtgaggag aatggtaatg tgttttatgt gtttgatgtt 180  
 aattgatttt attttttagtt tatgtaggtg tttattatat gtatgtcata atagtttgga 240  
 aaaaggcaga tattatttaa aaaagggtaa atataatgat gggtaagaa gattgaagat 300  
 agaaaa 306

<210> 8632  
 <211> 240  
 <212> DNA  
 <213> Homo sapiens

<400> 8632  
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 atacaaagta actcagaacg tcaaacctg taccactaa agggaaggct gccgggaagg 120

caaatggaac aggaatggag cctgtctcag gaaggccagc cgcaggctcct ccagaaaatc 180

aaagaaggga agaaactctg agtttgaggt acctcggccg cgaccacgct aatcactagt 240

<210> 8633

<211> 194

<212> DNA

<213> Homo sapiens

<400> 8633

gtccccctct tttttttttt tttttttttt tttttttttt tttttttttt tttttttttt 60

tttttttttt tttttttttt ttttttaaat agattttttt ttttgaattt tttgaaattt 120

tgaatttaaa atgaattgtg gagggggggg ggagtttcaa tatgttggct gtgttttggg 180

actgggttgg cggc 194

<210> 8634

<211> 493

<212> DNA

<213> Homo sapiens

<400> 8634

acatattaaa taagtctaata aatttttggt catcttaaag taaaaatata ttgaaatgaa 60

tgagagagat ctagatttta aaaaagttga ccattcatta ttgctggaac tgaagaaagg 120

aaggatacac tggcatcacg atttgtctac ataagtccag ttcattctcg gtttgttttg 180

gcaagaagag gacactacaa aactcacagt gcagtcaaaa caaaacaaaa caagaaaaaa 240

gcacaaaaat ggtcgggtgg gaaccatata acaaaactac atctcaggca gctctttctc 300

aaggaagatt ctaagatttt attatgtggc taattctaaa ttggaaatgg aacatgctgg 360

tatgtgaagc aattgggtgct aggactttac cctttgctga tatgcaatga taatgtgatg 420

agtttttagtg actcttgaat taggataatc acactcttta cgtacctcgg ccgcgcacac 480

gctaatact agt 493

<210> 8635

<211> 546

<212> DNA

<213> Homo sapiens

<400> 8635

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tttttggttt ttttaatttc aggaattggg ttttttattt aattcattaa cctttttttg 120

aaaatatttg aaaaaaaaaa ttttttttta aatttttttt tttggtgggg aaataaaaaag 180

ttggaggtta ggggaaatta agttgaaaaa gaaatgggaa catccacccc cacctttttg 240

gaaaaaaaaa aatgaatggg ggggaaacca agggtagaag gggaacaggg ggtagggggg 300

gcacggggggg gggctggctt tccacctcct tacattttgg ttacaggggc ccaaaccat 360  
 ttgggggggct ttggaaaaaa aaatggcaag gggttttgga gtaaaaaggg ggggggggga 420  
 aaaaattctg gatctcgggc cctcacaaaa aagggtggtt agggttttca agctgggaaa 480  
 aacacattaa aaccggggg acttttgggg ggtggaggaa aacaaaaaaa gggaaaacaa 540  
 cctgga 546

<210> 8636  
 <211> 290  
 <212> DNA  
 <213> Homo sapiens

<400> 8636  
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 ttttaataat ggagatagaa ttgcttggtg gattgaaagg gagtgtttat ttatatattat 120  
 taagaaatag tataacgata gattgttggt taggttaaga ttgaatatat atttataaat 180  
 taatattgag tatattattt gttgtgttta tattatgaat taaataaatt gatatgattt 240  
 attttattat ttgaagtcac tatattaata agattttatt aggttaaagg 290

<210> 8637  
 <211> 274  
 <212> DNA  
 <213> Homo sapiens

<400> 8637  
 ggtactttct atgaaaaggg tttggccata tagttgttgt tgacgttctg ggtgaaaatg 60  
 gaagggtttt gtgggtccgaa taaggggggg aaacgataaa cagggtttcc tcatgaagaa 120  
 ggggtgtttg acccttggtc gtgtccgttt gttattgatt tgggggcatt tctgttccag 180  
 actaaggaaa cttggacaaa aaaagaaaac attagttcgt ggttgcattg tggatgtaaa 240  
 ttgactggtt ttaacctggg ttattgtaca aatg 274

<210> 8638  
 <211> 338  
 <212> DNA  
 <213> Homo sapiens

<400> 8638  
 gtgccggcac cacatgaaat gggggaccct ccgtttgctg ttcattcagtt gtgcatcctt 60  
 atacagttct gtgggttaga tagaacaatg agcagacatc tgacagagga tgacacggct 120  
 caagctacat gcatgtgtac ggtgatgtgc tatggggcac aaaggtagcc tatgctgaca 180  
 tggaactttg attacaacta gggcatatct atggctgatt taatgtgata acagtcccca 240  
 gtagtcgctt ccgaataaat gaaaagtgtc ctactgtggg gtctggcaag aaaaaagcaa 300

aaatcatgat attcacgctc acatgcaaag aaagtata 338

<210> 8639  
 <211> 162  
 <212> DNA  
 <213> Homo sapiens

<400> 8639  
 aaccttttgc ttatgctggt ttttatttgt ttgtttatct ctatcatttg ttttatataa 60  
 aaaaaggtgg aaagttgaat atatacaaaa ctaacaagat aggaaacctg gcaaataata 120  
 cataatggct ctaataatca cataatagca agctgtcctg ag 162

<210> 8640  
 <211> 194  
 <212> DNA  
 <213> Homo sapiens

<400> 8640  
 tgcacatgaa acacaagatg agaaagtgtg aagtggagac acagaatagt aagaagggga 60  
 caactagaga caagtctggt gaacaagaga aacaacaaaa caattgctga ttcatgttgc 120  
 aacaatatag agggacatca ctggggcgag atgccggtgt gataatgtac actagcgggtg 180  
 gagccttggc accg 194

<210> 8641  
 <211> 322  
 <212> DNA  
 <213> Homo sapiens

<400> 8641  
 gcacaaaatc tagatttgct aggctcgagg tagagaagga catatgttat agtagatgaa 60  
 aatgatggaa tagcaatgag atacaaaatg caactaaaaa tgggataatc tagatattag 120  
 agaggacttc aaacatgcaa ataggaacca caggtgacta tgatggtata tcgatttatg 180  
 tgtgtgagta ttcatggtat tacaggctga atgtaacaga cacaagcaaa taggttgccct 240  
 aagactgtgt ccttgttctg tcggatgtgg gcggggagga tggatcatctt ctctggtgtc 300  
 tcactgttag actttgaagc gg 322

<210> 8642  
 <211> 178  
 <212> DNA  
 <213> Homo sapiens

<400> 8642  
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 agaatgacaa aaagtactta actgttgtgt tagctggagt gaaaggatatg atgatatata 120

ttaactggaa acagatgaat gtccacggag ctttctgttg gagaggacat tgcagccg 178

<210> 8643  
 <211> 466  
 <212> DNA  
 <213> Homo sapiens

<400> 8643  
 gtaccaatac gaccaattgt gtacacatcc tgtataggca tgtgcatggg cttgacaatg 60  
 ggacgagtgg gtggtaggat gcagtcaaaa gcctcaagca tagtggttcc aatggaattg 120  
 tgcatactta ggggtgtact ttccatccat atgaactatt gcttgtaagc acattggctt 180  
 ccaagatgtt gagagcattt aaaacaaaga ttggcacaag agatactgtg tatgagatag 240  
 agagaatttt ttgtgtgata gggatggatt catttgcaat aagattatgt ctataatagc 300  
 agtttggcgg attcaggcga atccatgatg taaataccga ccgtggggtc gcaccgaagc 360  
 tagtgtgttg gatctaaagg ttgtctatat gtggtgacca tcagtgttta atgccatcta 420  
 caatatggag catctctccc ttaaaccatc tggaacagcc acagcc 466

<210> 8644  
 <211> 258  
 <212> DNA  
 <213> Homo sapiens

<400> 8644  
 taaattaatt agggaaaagg ttttgagggg ggggggtgga agaaaggggt tgggtttggt 60  
 ttgtttctcc tccccaaaaa aagccactaa agcagttaca gaaatgaagg gtaaaatggg 120  
 ggccacaaag ccatggtatg tagctttagc tcagggaaaa aaagagcgcc gggctcacct 180  
 cattaaccag tataatgcaga gatgggcagg ggtacctgcc gggggcgccg ggcggcgggt 240  
 cgcgctgggg ccgggggt 258

<210> 8645  
 <211> 178  
 <212> DNA  
 <213> Homo sapiens

<400> 8645  
 agtactgttt ttgttttttg tttgtttttt gaagcgagag atgacggtat gggggaaaaa 60  
 tggatgggaa aaggggaaca aaggagaggg aggatgcgag gaaaagcacc atccacgcga 120  
 tgagagaggc tattagttag ggacagagtg gggacaaaag agagcaaagg gaacgtga 178

<210> 8646  
 <211> 386  
 <212> DNA  
 <213> Homo sapiens

<400> 8646  
 catttttttt tttgtttttt ttttttttct ttctattttt tttttttttt tttttttttt 60  
 tttttttgac tttctttgtt tttttttgtga tgcttttttt tttttttttt tatagtaatc 120  
 aaaatataaa aaaaaaaaaa aggaccgggg ggaaaaaatc tggggaaaaa ctaaaaaac 180  
 gggggggaaa aacaaaaaaa aaaaaaagaa aaataaaagc gggcgagcca caaatggggg 240  
 gggaaagggg aaaaaaaaaa aagaaaaaaa aaaaagtaac aaagggggcc ccggggaggg 300  
 ggggcagaag ggaaaaaaca cccatcccgg gaggggagag gggggaaaaa aaaaaaaaaa 360  
 aaacaccaa aaacgccctt cgggca 386

<210> 8647  
 <211> 450  
 <212> DNA  
 <213> Homo sapiens

<400> 8647  
 caagcttttt tttttttttt tttttttttt tttttttttt tttttttttt tttttttttt 60  
 tttttttttt tttttttttt tttttttttt ttttaaaaaa cggggcatta attaaaaaaa 120  
 aagggggaca aaagaagggg ggggggggaaag tcacaccaa actgggggta aaagaggggg 180  
 gggataaact ggaaaaaaca atcaaaaagg gggggcaaga acaagaagg agtggggaaa 240  
 ttataagtgg gaaaaaagcc aaagataaaa aaccaccaca aaagggggtc catatgggaa 300  
 ggattcacac atgagggggg tggatcaagg aaaggggtcct atccattgaa aaatatatca 360  
 ttgcggccat catatgaagc gagagcacc tgcaatgaag aatgttaagg ggggggtgga 420  
 gagggggaat aaaattgggg gaatggccac 450

<210> 8648  
 <211> 394  
 <212> DNA  
 <213> Homo sapiens

<400> 8648  
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 aaaggaaaat ggagtgcgac taggaataat gaataataga agattataaa taaatacgat 120  
 attaataata attaattagc ggtcataata taatgattca caacgaaact ctggaacata 180  
 tataatagcc tcatgacatt actattttaa taaacatgat ctgcatccaa actatttaat 240  
 gcttattttac tgcattacct tcggagacag ggtctagctc tgtcgaccag gctggagagc 300  
 aggggtgcga tcttggctct gtggaaccga cgcctcccag gcccaagcga tcctcccgcc 360  
 tcacacctcg gccgcgacca cgctaatac tagt 394

<210> 8649

<211> 162  
 <212> DNA  
 <213> Homo sapiens

<400> 8649  
 agtatttttta tttttttttt tttttataaa aaaaaggaca ccacgaaaaa ggaagacggc 60  
 aaaggaaccc acacgtaaaa caaacacaaa cggcaaaaag aaacaactcc ctcaaaaacg 120  
 cggccggaag acaaccacag ggggggggag cgaggaaaaa ac 162

<210> 8650  
 <211> 482  
 <212> DNA  
 <213> Homo sapiens

<400> 8650  
 tttgtttttg ttgtttgttt ggtttttggg gttctaaaac cgggaagggg ggtattcttg 60  
 gttccagcaa acgtaaaaag ggaagaaaaa tgggtaaaag ggaacaatga agctcggagg 120  
 gaagttttcc gggggggacaa gggggggctta aaggtaaaaa aggtgtctgt aagggatgtc 180  
 ggtgggggaa acgtggcggg ggacagaaaa aatgaccac caagggaagc agggggctta 240  
 actgctaagg ggataatccg gaacaatcca ggcaaaataa gggcgggtta tgcccttgta 300  
 tggaatggcc ataggggttaa aatggcatgc aggtttgttg agaggaagga aaaaatggat 360  
 ggccgtgcgg gtaaaaagct ggaagatggc ccaaatcggt gagagtgtgg tgatgttgcc 420  
 atgggggatg tgggtgcggtg agagcacatg tgtgtggaaa gcctctaata ctacgcaact 480  
 tt 482

<210> 8651  
 <211> 386  
 <212> DNA  
 <213> Homo sapiens

<400> 8651  
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 aaaaataacg gggggcaagc aaagcgggaa aaaggggggaa aagcacctcc cggaggggaa 120  
 cccccggggg caaggcccag ccaaagagac gggacagaga caagaaaccg ggaaaaggaa 180  
 atataaaaaa agggaaaggg cgagcccaca gaaacccaaa ggcggcacag gggggccggg 240  
 gcgggagaac ggggacccag gaagccagga aaaagaggga acaaaaaaaaaa gggagacgga 300  
 ggagggaaaa ccagggaacc accggcgga gcaggcgggg gcgaaggggg ggaggcaagg 360  
 ggagggacag aggaactaaa aaaagg 386

<210> 8652  
 <211> 159  
 <212> DNA

<213> Homo sapiens

<400> 8652

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gtacaaatTT agtaatttat ttgtaaattc tgccagaata ctttctagct gctttgtaat      60
tttttaagag tggtatTTTtg tttttgtttt tctgttcttt gttgtggctc ttgttttcat    120
ttttgttgta cctcgGCCgc gaccacgcta atcactagt                               159
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<210> 8653

<211> 274

<212> DNA

<213> Homo sapiens

<400> 8653

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ctgatccatc acacatactg cgtggTtctg atatagggTg agtttgtcgt tgctgctcat      60
tgatatgcaa taaggaaCTt aaggaggcct tctgacagaa gtcaactggTc ctgttttTgtc    120
tgaatgagct gcaaaggTtg acttgggtgg tggcgagaac tacatgacac agatgagagt      180
gtgattatgg gaaatGCCct gaacagtTct gagatgctat atatttggaa aggcgtgttg      240
gtttgagtgt gggaatatca aaggacacca ccag                                   274
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<210> 8654

<211> 480

<212> DNA

<213> Homo sapiens

<400> 8654

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gtacggctcg gagggccgct tcacgttcac ctcccacacg cccggtgacc atcaaactctg      60
tctgcactcc aattctacca ggatggctct cttcgctggT ggcaaaactgc gggTgcatct    120
cgacatccag gttggggagc atgccaacaa ctaccctgag attgctgcaa aagataagct      180
gacggagcta cagctccgcg cccgccagtt gcttgatcag gtggaacaga ttcagaagga      240
gcaggattac caaaggTatc gtgaagagcg cttccgactg acgagcgaga gcaccaacca      300
gagggTccta tggTggTcca ttgctcagac tgtcatcctc atcctcactg gcatctggca      360
gatgcgtcac ctcaagagct tctttgaggc caagaagctg gtgtagtgcc ctctttgtat      420
gaccctttcc ttttacctca tttatttggt acctcgGCCg cgaccacgct aatcactagt      480
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<210> 8655

<211> 316

<212> DNA

<213> Homo sapiens

<400> 8655

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gcaccacgag tttgagaagg agatgggagt gtgatggatg ccaaacgaat attctagtgc      60
tccatcagct tgcgaggatg tacagaaccg gggaaactgag atactcatat ccatgttggg      120
ctgtaaaaag gctgtcaaaa ccataagatg cacgatggac aatatgctgt gggcctgggg      180
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acacatactg aaagacgggg ggaggagggg aaggggaggg ggcgaatcgt tggtagcggg 240  
 gggaaagtgg aagacagtga gaagacctag gccgcgacga cgctaattgac tagggaatta 300  
 gcgggcgact gggagc 316

<210> 8656  
 <211> 514  
 <212> DNA  
 <213> Homo sapiens

<400> 8656  
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 gcatgtgact ttaaaaaaaaa ccaacattat ccacaagga taggcacatg aagggggaga 120  
 tgggtggttga aaagatgttg acctagaaaa taaggcctag cacacagtca ctgaaagact 180  
 attggatagt acagagggga catgaaagac ggaagtgtgt ggagaacatt gacagaccaa 240  
 aagttgaagg gggaaagaaa aacacaagac ggccatgtca ccgaatgttg tggagtgggg 300  
 ggggggaggg gctcgggcaa cagacaggcc atataacaga cgatctacag agagggcaca 360  
 gggacaggga gcacggtgaa gcaggagcca gggaggtgga aagcgacatg gccgggaatg 420  
 gggagagcca aatattgtga tctacagata gtgcacctct gatggcgaga gaccatgcac 480  
 ctgaagctct gtatgtataa tggacggccc aaac 514

<210> 8657  
 <211> 194  
 <212> DNA  
 <213> Homo sapiens

<400> 8657  
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 aaaaaaaaaa aaataacatt tacaacatgg gaaggaagta aactgtaatt tctttgaaca 120  
 acaatggtgg tgggtggggg gaaaaccaca accccaaacc acttcgccgg ctccaaatga 180  
 tgggataaaa aggt 194

<210> 8658  
 <211> 162  
 <212> DNA  
 <213> Homo sapiens

<400> 8658  
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 atatcgacat attcgataag gtgaaactga agaaaaacag agacgcaaga aaaaaataca 120  
 ctggcttcca aaaaaacgaa tgaacaggag aaacaagcaa gc 162

<210> 8659  
 <211> 242  
 <212> DNA  
 <213> Homo sapiens

<400> 8659  
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 ttgatgctgg ggtcctgtga gcagcacaca gccagtatcg gatagggctg aaaccaaggc 120  
 gttgatgatg tgcacaccat gtatcgtgtg aagggtgagag actttgggtga aatccgatat 180  
 catgggatga tcatccgtgc ctccacacac acagatggat ccatctggat atacaaccac 240  
 cg 242

<210> 8660  
 <211> 290  
 <212> DNA  
 <213> Homo sapiens

<400> 8660  
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 ccgtgtggac tcgggtcccc atctccggtg agggcgtctc ctgcacacgg caccatgct 120  
 tcagggtcgca cacacgtgcc gtggacccaa gttcaccttt ggaggtgtca atccccccaa 180  
 gaagatgttg ctaacttgga gtttggggcc taggctttca tcagagtctt cccacagaa 240  
 agcgaaatgg gaatgggtcc ttaataagct acgggccttt gttcacagca 290

<210> 8661  
 <211> 162  
 <212> DNA  
 <213> Homo sapiens

<400> 8661  
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 ggtgttttct gtgttaacct gggaaaggca gccttaatta cctaaaaaaa gaaaaaaaaa 120  
 aaaaagaaaa attatgtgtg agattttttt ttaaagtggg ga 162

<210> 8662  
 <211> 162  
 <212> DNA  
 <213> Homo sapiens

<400> 8662  
 gactctgggg tgatgaatgg ggagaggaga gaaagtgaat cactatatca ttctatacat 60  
 aagaatcagt ccagggtggat taacaatttt aatatgatag agaaaatata tatacttttag 120  
 aagatatagg aaaagtatgt gtagtctctt aggggtgggga ag 162

<210> 8663

<211> 258  
 <212> DNA  
 <213> Homo sapiens

<400> 8663  
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 gttttttctt ttaggttttg gtccctctgt ttttttattt tttttctttt tggaatttta 120  
 tttttatttg tttttggttc attttttatg gttatatagg ggggggggtg agagaaataa 180  
 cggagaacgt ggggtgagcaa gccggtgtta aaagatggga aaagagtgtg gggcaccaaa 240  
 aaccttggtc cctcaagt 258

<210> 8664  
 <211> 482  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1) .. (482)  
 <223> n = A, C, T or G

<400> 8664  
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 aatggtttct tttgatctac aaactcagct atgcatttgg tgttgtgggt tacttggcga 180  
 tcatgtttac aatgtgtgga ttcaatctgt ttttcaaaat caaagctaga gattccatgg 240  
 attttggcat tgtgtctttg ttctacggcc tctactatgg agtaatgggg agagacttta 300  
 ccgagatctg ctcagactac atggccttca ctataggggt ctacagtgtc aggcggttgg 360  
 ctacaaggag cttatcggac aatatctggg ccagttgggg gcagaagatc attggggagc 420  
 gtgatgaaga aagggtcatg aaaacatcta tcagcgtttc tggtatcttg tcttcattga 480  
 tt 482

<210> 8665  
 <211> 162  
 <212> DNA  
 <213> Homo sapiens

<400> 8665  
 tgaaaaggat agtgggggtgt gggaaggac aaaggaaagg aatatatggt gaggttaaaa 60  
 tgaagaaaaa gagtaaggca aagaaagtat tgagatttat attttgatgg ggatgggttg 120  
 gagggttgag gtgggaatta atttggaaag aaaaatagat gt 162

<210> 8666

<211> 578  
 <212> DNA  
 <213> Homo sapiens

<400> 8666  
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 cgtgaaattg aagaatttgg catgtaaaat gaataatact gtcttccccc aagaagttta 120  
 gcaccaaact ggctctgggtg ctgagataag gaattccagg ccaggcttac atcgcaactc 180  
 agtcctcaaa agccctctcg tgcagaatga gaaggcaca gcatatatac ccattttggt 240  
 ttcaccttcc atctctctca atcaaattctt acttctcatt ttaggaagta tatagtccaa 300  
 aatggggcttt taattactct ttgattcttc caccacaccc tggccttttc tttcctagca 360  
 aggaaatgac aatgagtgtg gcctatagac aagggttaatt acagatacac cagtgggctg 420  
 tgtcgcccag gataaggggg gagagctcaa agctggtcag tgtgtgtgct cctctctcca 480  
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 ggggagcccc acggcacgtc caaggcatag gttaatga 578

<210> 8667  
 <211> 162  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)..(162)  
 <223> n = A, C, T or G

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 acaaaaaaaaa caaaaaaaaa caaaaaaaaa aaaccctatt tttaatggaa agggagctta 120  
 aaaaaaattt ttttaaggga gggaagaaag ggagaaaatt tt 162

<210> 8668  
 <211> 162  
 <212> DNA  
 <213> Homo sapiens

<400> 8668  
 actttgtgat atctcatagg gcatactggg ctttcacat ttgcggccca ctttttgccc 60  
 atatttccca agctcccccc ctacagcacc ttocatgtgc tcgtgccttc atccagcacc 120  
 tgctcccca tgattccgt ggtagcagggt gatgtaacac ac 162

<210> 8669  
 <211> 210  
 <212> DNA

<213> Homo sapiens

<400> 8669

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gaggatgggt tagatataat gaaatagtga tttggaatag taggaataca taagtgatgg    120
gaattaaggg gatgagggtg agaagtatga gaaggattat tatttttaaat agaaaaaaga    180
aaaggaagag aaaagagggt aggtgtgagg                                210
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<210> 8670

<211> 562

<212> DNA

<213> Homo sapiens

<400> 8670

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ggcacaatct cggctcactg ccacctccgc ctgacagggt caagcgattc tcctccctca    180
gcctcccaag gagctgggat tacagctgca agatacaaac cctgtcctca cttacgtaca    240
attcatctct gacatgaagc agtctcccg ggctccgcgt ctgttcgctc tgggattaaa    300
ttcgcgtagg cactggggag gcgggagctg ccttcgcaga tatttagcat atgaggatcg    360
aaggccagtg ggaaccgtga ggagacgcac aaccgtgggt tgggcccagg ggctggggg    420
gattgcgagg gggggtcagc tgccaagaag gccaaaaata gccggacggg tgggggggga    480
ggcgggcaag gagaagaagc tgggcaatgg cggctggtag ttctgggtgc ttctccggt    540
cccttcaacc ccacctccac cg                                562
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<210> 8671

<211> 226

<212> DNA

<213> Homo sapiens

<400> 8671

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ataatggatt caagccaaca aaggtgttca aaaaaattc aaaaaggaaa aaaggtcaaa    180
atttaaaaat aggggggaaa ttttcagttt gaaagggtaa aaggat                                226
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<210> 8672

<211> 226

<212> DNA

<213> Homo sapiens

<400> 8672

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cctttttttt tttttttttt taaggatatg tttttattgc taccagaggg ttttatcttc    60
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agtatacatg cgttgactgg caatacctgt gttcagactg cagagggagc tcaggatgca 120  
gaagtcattgt taagaaacat aaggctgggg aggggggggg agtaagttct attagaaaat 180  
gccaatagct taacaaacct gaggtatta cattcagtta taccat 226

<210> 8673  
<211> 338  
<212> DNA  
<213> Homo sapiens

<400> 8673  
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caatcccata agggaacatt attctttggg ttaaataata ttaattatgg aaatgaaaac 180  
taataacata acaagggaaa ttaaaaaaaa taaattaaga aaaaggaaaa gagaagggga 240  
aaaggattct gaatatggga gaaatgtgtg ttatggaaaa agattcgggg ttcagggtaa 300  
tttcttgagg aatttctggc tttgaagcgg ttaagtca 338

<210> 8674  
<211> 258  
<212> DNA  
<213> Homo sapiens

<400> 8674  
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gtgagaggta cgactaatag gggagaaaag gaacacatat gtgatagggtg atgagctctg 180  
acatctgatg aaatagggtga cgaacttcta ccatgaacaa aatgtgttgc ccacttcag 240  
ataggttcat catcttag 258

<210> 8675  
<211> 242  
<212> DNA  
<213> Homo sapiens

<400> 8675  
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ttattattcg tgtactgaga tgaatgttca acgcataagt agtatatgag ttcatacaag 120  
tgatggctga agtgctgtca gcagctaata tggagagcga aaaggagtca gatgggtgtt 180  
cgaggctgaa gagcatccga gttaatgggtg gtccctgcgcg ccagattcga attggaaata 240  
tc 242

<210> 8676  
 <211> 418  
 <212> DNA  
 <213> Homo sapiens

<400> 8676  
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 ttttaaaaag tcaccagga taataagttc ggacagttac ggaaatatatt ttaccatata 180  
 aaataaaaag ataattcaaa aaatttctta tgggaattga cgtccagaat ttaggtccat 240  
 gttcactagc taaccactt agtaggggtg ggcgagcaca aactctacct tcccatttct 300  
 aggcctgttc ctccctcctt aaggggggaa taaatattaa caggggtggtg gtgagggtta 360  
 attgagataa agatttatct actaaaataa ctcaagtata ctttatgggt atagtcaa 418

<210> 8677  
 <211> 258  
 <212> DNA  
 <213> Homo sapiens

<400> 8677  
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 atgaacattg atgcgcttaa aagtgaagat gcttacagaa taaatgaaga gcagctgtcc 180  
 ttctttcctc cttctagatg ttcattgctgt ggcatgctca gaggttcctg catggatagg 240  
 agatgggagc ggagtgat 258

<210> 8678  
 <211> 226  
 <212> DNA  
 <213> Homo sapiens

<400> 8678  
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 aatttttttt tttctcttat catcatgatt catttaacaa aatgtttcaa gcttactcag 180  
 gtatgctata gtgtactaca gatgaatgtt ggggttaaata tagagg 226

<210> 8679  
 <211> 194  
 <212> DNA  
 <213> Homo sapiens

<400> 8679  
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aattcaatttt ttttttcctt ttttttgcaa cagaaaaaaaa gaattgaaat tggacctccc 120  
 ccttagggaa actttttcctt ttggttaact tattttaatt attgaaaata acacttatat 180  
 aaataacagg gaca 194

<210> 8680  
 <211> 162  
 <212> DNA  
 <213> Homo sapiens

<400> 8680  
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 tgaccaagac tagtaggctg aattagaaat ttatgctgac tctatctaata aataattatg 120  
 ttggtttatg tttatctcta ttaaatagtg cttttgggga at 162

<210> 8681  
 <211> 162  
 <212> DNA  
 <213> Homo sapiens

<400> 8681  
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 cacagacctat tatcatcaaa cgctcataac tactgtgcta ttgagtggta actttgctga 120  
 tagggctgct caattcatgt atgatggaga taatgctcac gg 162

<210> 8682  
 <211> 210  
 <212> DNA  
 <213> Homo sapiens

<400> 8682  
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 acatataaaa tggattgatg ggaagaaatg agaaacaggg taaagtataa aatggaagtg 120  
 gatcaagaat aaaaaaaaga gaattatgaa caaaaaagga aagaaatata tagtcgggat 180  
 tacaagaaag aaatgaagtc aaataaaaaa 210

<210> 8683  
 <211> 194  
 <212> DNA  
 <213> Homo sapiens

<400> 8683  
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 ttagggaaaa agaataattaa ttaaaaaaat agttgggttt tgtgtattta aaaagaatta 120  
 aaaaggaatg gttataatta atattttatg gttagaaaag gtttagtggtt gggtttttat 180  
 aaataaagtg tgga 194



<210> 8684  
 <211> 162  
 <212> DNA  
 <213> Homo sapiens

<400> 8684  
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 ggctgttatg gtgtgggaca aaaccagcca ccgggagatg at 162

<210> 8685  
 <211> 226  
 <212> DNA  
 <213> Homo sapiens

<400> 8685  
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 agcttagtgc taagagccta tgcgcgcaag agatatctca aattcatagt tagatgaaat 120  
 gcgaggaatg tgctgctatg attgacaaga ggagtagaaa tgatgtactc atcctcttct 180  
 acacgacata atgcaaaata ggatgacata gattgtggga atggat 226

<210> 8686  
 <211> 546  
 <212> DNA  
 <213> Homo sapiens

<400> 8686  
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 gtccgaggag ggtaatagtt gatcagagga cattgaaaat gaatcttgct gcttcatgggt 120  
 atattaatat ctgaatagtc agacaactgt aatattatgg aataaacaca tcgtcaaata 180  
 tatcattaat atcataagga taggtacaca tggaacgtta tgtacctcg acgataactga 240  
 ctgttatcac tattgtatcc ggagacgtgt gcgcgtcgac catatctgag agcgcgagcg 300  
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 gtcatagctg tcttctgtgt gatattgtta tctgttctact atatcactcg acatacgagt 420  
 cgtaatcata gagtgtgtgt tgtgaggtgt ctactgagt agctaactca catatatggc 480  
 gtggcgctct ctgctggctt gcctgtcgtg actcctgac tgagccagct gcattaatga 540  
 gtcgtc 546

<210> 8687  
 <211> 562  
 <212> DNA  
 <213> Homo sapiens

<400> 8687  
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 tacagggtca tggacctata ataacgcttt ccaattctac acatacgtgt agacgaggta 180  
 gtctatatac tcagaacatc tagcctgctc tgtatctaca gtgcatgagt aagtatatgt 240  
 atatgtatga catagaattc catatcgaag aggtcgtgca agtacactgg tgctgatgct 300  
 gtggtgctcg aggaatatcg gctgctaata cacgtatatc tattgaattg tatcagatga 360  
 tatgtcacat cagttgtgat catcactgtc gtaggaatgt tagatagaat attatatgtc 420  
 atctctctat gactaggctt gtactcctgg tgcataggat actgctgtgt gtggtagctg 480  
 tccgtgcgga cgctcgacat cactagagaa tgcacggata gagtgttaagt cgagcagatg 540  
 gtagagatct gagcgcagtg ag 562

<210> 8688  
 <211> 402  
 <212> DNA  
 <213> Homo sapiens

<400> 8688  
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 gagccagagc gtcactctgtt gtagccactc ggctcagacg tggttgtgtg gaagcgactg 180  
 tggatgacac acaaagtgtg cagtgttgtg ttccctatgta actttattta tggatcttga 240  
 attttgaata tatactgtac ctgaccgggc ggccgttcga catgactact gaattcgctg 300  
 gggagtgtag gtcgactata tgtgagagtt agaaacgcgt tggatgaata atcgagtgtg 360  
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<210> 8689  
 <211> 194  
 <212> DNA  
 <213> Homo sapiens

<400> 8689  
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 attaaaaaaa tagggcattg caataattaa aatcgtttga acaaaaaaaaa aaatgggact 120  
 ctgattaaac tgcattacag cctggaggac accttgggcc agctgggcgt taaccaagat 180  
 ttcacgggcc gcc 194

<210> 8690  
 <211> 194

<212> DNA  
 <213> Homo sapiens

<400> 8690  
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 aagaaaggat gctggatgag cttgttctga gagtatctac ttgaggctgg gatgatactc 180  
 caagggttga tgag 194

<210> 8691  
 <211> 162  
 <212> DNA  
 <213> Homo sapiens

<400> 8691  
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 aaggaacaga agactagaaa agaagtaaaa actttgatga agagaggggt gtaagaacag 120  
 gatcaagaca cattaatgcc taataccaac aacgagcagt gg 162

<210> 8692  
 <211> 226  
 <212> DNA  
 <213> Homo sapiens

<400> 8692  
 aaagaagata caagctgacc tgaataaaat ttgtgcagga ggcgaagaaa ataagggat 60  
 aattatttgg agaccatggg aacacgcaaa cattatgcag aaatctatgt tgtggataaa 120  
 agtataaatg attatgatgt taaaaaaatg gggattgaac ataaaggaca agtgtgtgtg 180  
 atgaaccaca gaggaagtaa aagcttaagc catgaaatta ctaaaa 226

<210> 8693  
 <211> 194  
 <212> DNA  
 <213> Homo sapiens

<220>  
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 <223> n = A, C, T or G

<400> 8693  
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 atgtaggcag taaatattat ttaaaaatgt ggatagtata ctgtgaagtt ggttgggtcta 180  
 gaaataccag tttc 194

<210> 8694  
 <211> 242  
 <212> DNA  
 <213> Homo sapiens

<400> 8694  
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 ggatgacggc gatggaacgg acgcacagaa cgctagccga tgatcataac atcgttgatg 120  
 agaaaaatga tatgcatgac aggagtagag gttggcgatt gtattaggat cattgagatc 180  
 aaaccacatc acccatgtgc cacactgcc a gactcataa aggggtgttg tatgtggatg 240  
 gt 242

<210> 8695  
 <211> 402  
 <212> DNA  
 <213> Homo sapiens

<400> 8695  
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 ggaaatttat gtgaatacct ggtgaccttc cttgactttc caggtttcct gatgtcattc 180  
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 gttttatagt atttattgat gaatatattt agcatatcaa aatttttggg tttaaaaact 300  
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 taaaacatgg agccattac tctaaccctt ataaaaatta ac 402

<210> 8696  
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 <212> DNA  
 <213> Homo sapiens

<400> 8696  
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 aaaacacaca aaatcaaaga gttatccatg gatttgcaac agcagagaaa cagtgacaag 120  
 agagaccatc acccataagg gggaacactt atccctttgg cgttaactta atataaaaata 180  
 attgggaaat gatcacccta aatatcaata gacacgggca cataaaaaaa aagattaaaa 240  
 ttaaagaaaa agggaccagg aaactggcgg gaga 274

<210> 8697  
 <211> 770  
 <212> DNA  
 <213> Homo sapiens

&lt;400&gt; 8697

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ctggtagagt gcaaattttg ttcatactat tttacatttt taaaaactca aatcactttg      180
gttcatatat tttctataaa ctattggcaa aaaaatcctc aaattttacat tcttttggct      240
acattatttc taacagatat agatttactt ccggtttcgg agagaaagac ttattgtgtg      300
tgcgtgatca agtctgtttt aaagattcac tcgctgcttt catctaataa cttctggggt      360
ttcataaaat gctgacatct tcattggaaa tttttttcat gtaactgggt tcattttcag      420
aaaatatata aggggggtcat tccaaagttc agaatgatcc tattttttta aaaaacaaaa      480
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acaaagcaaa aaaccccagc aaagatcggg acatcacaaa aacaaacaca aagaccagcg      600
ctcacaggca agttcctctt agcttccatt ctgctgactg ggggcttcca tttaaaaaga      660
ggcttttaat caagccactt tcacagaatt taaaacaaaa caaacacatg ttaattgcaa      720
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&lt;210&gt; 8698

&lt;211&gt; 178

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 8698

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tagcctcagc ggggaccctc agcacaatgaa tacttctctca ttcttgccc cctcccttgg      60
cccttctgcc tctcttcaact gccatacaat tgtgtgaagg atgtagggaa gtggaaggaa      120
ttaaataaag aaggaaccag cggtgaaggc cccccgccc cccacagact aggtcggc      178

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&lt;210&gt; 8699

&lt;211&gt; 178

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 8699

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aacactatgc attacatata cacaacaca caccacagtc ataaagccct aatgatgtgc      60
tgattacagg tcaatattca ggtgagcatt ctttattaat ttatcaaag aaaagctttt      120
tgctacctct gccattcatg aaagacagct atggaaaaaa ggaacctggg accaatat      178

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&lt;210&gt; 8700

&lt;211&gt; 370

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 8700

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tggtctggact gcagtacagc ggataaaaca gggaaacgta aaaagtaatc agatgactgt      60

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tatcgagatg gagagcatac cagtaaaggt agcactgact gcaatatttg taatataaat	120
ctaaagttta tatgttaatg aatatcaata tatatatggg gtatatataa ttacactaat	180
cagtgcacaga agcacttata atagcgactt ctgagtaatg aagaagagaa atgatgaata	240
tatgtattat ctatagggcc tatatacggg gactgcctca ctatgatcct atgggttgtg	300
agtaattatg caaggctgtg tgaatgcaca gctgtatctg aaggggcaac tacgcagtgc	360
tgccctaagca	370

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 <211> 209  
 <212> DNA  
 <213> Homo sapiens

<400> 8701	
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tggaatgtac gaggtttttc aattaggaat caaaaaagaa acgaggagac ttcgaaaagc	120
tgactaatta ttagggaact gacttggatg ctgtaagcaa agctatacat gatctgatac	180
aagagatggg cggactggcg ttagcatgt	209

<210> 8702  
 <211> 322  
 <212> DNA  
 <213> Homo sapiens

<400> 8702	
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ctgtgagtgg atttcacttg atgataccat gaagactgat ttatgatgtg atactatcca	120
ttcttctgtc ggtatgaagt tatgcatgac aaaatgatgg agtgcttaaa tgggatgtca	180
tatggacaaa gaccgtgtga agtgaccctg atgatagcat atcatttcag gataactaat	240
gactggcagg ttgcaaggat tgttgacgac tgggactgga catgcgcgga taggtgattg	300
ctcacggaca tgctcgagaa aa	322

<210> 8703  
 <211> 578  
 <212> DNA  
 <213> Homo sapiens

<400> 8703	
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agagaaagct gccaaactgag gaagagcctg cacctgtggg ggaacaatca gggaaaagga	120
agtcaaaaac caaaactatt gtggagccac cgaggaaaag gcagacaaag accaaaaata	180
tagtggagcc accaaggaaa aggcagacaa agaccaaaaa tatagtggag ccaactgagga	240

agaggaaggc gaaaacccaa aatgtatctg tgacacctgg acataagaag cgtgggcctt 300  
 caaagaagaa acccggtgca gcaaaagttg aaaaacgcaa gactaggact cctaaatgca 360  
 aagtccctgg atgtttcttg caagaccttg aaaagtcaaa gaaatactct ggaaaaaatt 420  
 taaagcgaaa taaggatgaa ttgggttcaga gaatctacga cctgtttaac agatccgtct 480  
 gtgataaaaa gctgccagag aaactacgca taggctggaa taacaagatg gtgaaaactg 540  
 gtggcttatg cagcactggg gagggagagg gggcccg 578

<210> 8704  
 <211> 354  
 <212> DNA  
 <213> Homo sapiens

<400> 8704  
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 tctctatcag tatcattggg ctgggactct gacactgcca ggggctgctg ttacactgat 180  
 agggagagga atcggactgg ggaggtagag gacaatgaca acgagaacat cagctcctgc 240  
 tcacaggcgg ctgtggttaag caaagaaggc cacgctgtac gcactgtacc ctgcgagcag 300  
 ggagtcctgc aggggcgggc tgggcgggtct actcatgaat ctgaggtcga ttgt 354

<210> 8705  
 <211> 226  
 <212> DNA  
 <213> Homo sapiens

<400> 8705  
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 aaagaacata acagctcaca ggacccaact tattgatgaa atgaactgga gtgctgacag 180  
 atactagggg tagaaataga tgaagaaggg acggaaacaa ttacta 226

<210> 8706  
 <211> 498  
 <212> DNA  
 <213> Homo sapiens

<400> 8706  
 agcatacacg gcagatatgc accatgcaat gcccgagtga agcactgcct gaggacaaag 60  
 agggcttgaa tgtcaggagt gtgtgatgga aggatggacg gcgcggctgc gaagatgctg 120  
 acagatggac agaccaccca gaggaatgag gaggctgcaa tggtaagag agtatccgga 180  
 acgatccagg gcgaagaaac gccggctatg catctgcatt ggagtggcac aggggtcaca 240

```

ttgcatgcga gagacgggtga gcgtggggag aaataagatc gccgtactgg aaagatgctg      300
gaagagggcc ggaaaccatg gaagtctggt gaggctgcaa tggtagatgt ggatcatggc      360
tagtccatgt gagctgagta gttaatcaga ctaggcacat cggggtcgca actgctgtgc      420
gtgatatgac acagacagtt gctgtgggcg tactgaatga tgaggacaaa gaagcggatg      480
gccctgataa agaaagga                                          498

```

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<210> 8707
<211> 226
<212> DNA
<213> Homo sapiens

```

```

<400> 8707
tgtacacggg ggtgtcttgc gcatgtccat cgggaggtag ggggactggg tggtagcgcg      60
agttatacac gatgaaggcg aactggacac gttaatgtgc ttggacccca tgccgatcgc      120
gacatacggg ctagctggag gagggaaacg gcgatgatgg ggcaggatga aggggcaaaa      180
ataggggcgt ggtgagcaga aaataactgc tggccttatt ttatgt                      226

```

```

<210> 8708
<211> 498
<212> DNA
<213> Homo sapiens

```

```

<400> 8708
tttttttttt tttttttttt tttttttttt gggtttgaac ctttaataaa agtaaaaaat      60
gaatggaaaa agaacacaat ggtgaaaact tagtatgaat gtgaacctca ctagatgttc      120
aaatctggta gagtgc aaat tttggtcata ctattttaca tttttacaaa ctcaaatac      180
tttgggtcat atattttcta taaactattg gcaaaaaaat cctcaaattt acattctttt      240
ggctacatta tttctaacag atatagattt acttccggtt tcggagagaa agacttattg      300
tgtgtgcgtg atcaagtctg gtttaaagat tctctcgctg ctttcatcta ataacttctg      360
gtttttcata aaatgctgac atgttcaatg gaaatttttg tcaaggaact ggtttcattt      420
tcagaaaata tataaagggg gcaatccaaa gttcagaaag atgctattgt tttaaaaaac      480
aaaaatcctg taaaaaca                                          498

```

```

<210> 8709
<211> 162
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)..(162)
<223> n = A, C, T or G

```



<400> 8709  
 cgagagatga cgttccaaga catctgagca nccgcgggg ctatacaacc atgtaaccaa 60  
 agcctcaccc cttcccgag ttggaaaaaa atttatggaa caagaaaagt tatcatttga 120  
 aatttaaaag ggtgggcaga acattggtcc caaggaaata tt 162

<210> 8710  
 <211> 194  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)..(194)  
 <223> n = A, C, T or G

<400> 8710  
 tgaagactag ataggagtgg naagactgga cgtatgctct gaaggagcat aggagacata 60  
 agtaaaagcg ggcagtaaac tgtcgtctga tgattatgag accatgggaa aaagcatgag 120  
 acaggtaaaa catagtaatg ggcattgttac aagccactga cgtatgcctg cactattgta 180  
 cagcaccttt cacc 194

<210> 8711  
 <211> 162  
 <212> DNA  
 <213> Homo sapiens

<400> 8711  
 tctttttgtt ttatttatgt tgtattgtaa gatgtcaaag agtaatacgc aaggcacaaa 60  
 agatcatatt gttagcttgt atggttgaca gagacagtga atattatcaa ggaaacatca 120  
 catctgaagg acttagcatt gcaacacaca atttataaga ac 162

<210> 8712  
 <211> 210  
 <212> DNA  
 <213> Homo sapiens

<400> 8712  
 gctggtgtgt tatttatattg tggtagcttt agaggaaaga acggtaggga gccatatatg 60  
 acgaagaggg taagaaggca catgtagtaa gaagaataac aagtgcacgc ccacagtggg 120  
 tcagtggcgc aagataacgc gagatcatta actgacatgg taacaatctg gtacatatca 180  
 ctgtgtatac atggagagaa actgacgtga 210

<210> 8713  
 <211> 178

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 8713

```

cggttgtgct gttattttta tttttgtgta ttttaagaat gcaaatactt gttaaagcga      60
gcaatatatg atcaaagaag gcgaacgaat ggtaggggca ggaggtagaa tcaacaagga      120
ccactgccac ttgggggatca gtggcgcaag gtaacggagc tagattaacc tgatatgg      178

```

&lt;210&gt; 8714

&lt;211&gt; 194

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 8714

```

ggtagggcgctt tttttcttta atgttaggtt taagaggaaa gtagctggga tagaaggcat      60
gcataatata gaaggctatg aatgctatgg caagaagaag ggataatacg tgcgcgtgcc      120
acatgggtgt taggggtaga agataaccgt gagcagaact gtatgggata gttgggtccat      180
agtcctgctta ttag                                           194

```

&lt;210&gt; 8715

&lt;211&gt; 514

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 8715

```

caagcccccg cgcacccac ctccaccccc ccccaaaagg aaaaacaaca aggaagaacg      60
taccacggca gggccaccac aaaaggggag catcaaccga gccacgagc gggcaaaggg      120
aaacgagcgg ggcgggggga gacggacagg gcgccagaca caccaccagc agagcacagc      180
agacggggccg aagccggggc cggggggccgg cctggacacg cccccgggc gcaggacccc      240
ccgcccattgc ccccgacccc gcccgccacc cacgcggccg gcggaccagc acagaccccc      300
aggccacggc ggggaacaaa accagcacia cccccgagga ggcagacca caccaccgcc      360
ccaaggagc cccccggca ggcgccggcc ccgaccccg caaccggcag cccgcgggca      420
gcgaggctcc aacaggcccc ccacgcgcac accaccccc tacaccccc accaagcacg      480
cagcgaaaaa acacacgcca agggagggca agcc                                           514

```

&lt;210&gt; 8716

&lt;211&gt; 306

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 8716

```

ccctttcttt tttttttttt tttttttttt tttttttttt tttttttttt tttttttttt      60
ttaaaataaa attaaaaacc aatgaaatatt attgggttac aggaataaac cgggcacaaa      120

```

atggttgaaa aaggggttaa aacaagttta cattaataat acaacaact acggggggtg 180  
 acaaatgttg aagcgggggg tacttaaaaa aacggcatcg aaaaacaaac cactaaaaat 240  
 tcgcgaaatc aaaaaataa cttctttctt ctttaaaaaa ggaggggggaa gaagtcgttg 300  
 ggttat 306

<210> 8717  
 <211> 194  
 <212> DNA  
 <213> Homo sapiens

<400> 8717  
 aggtaacaag gctctttttt tttctttttt tttttttttt tttttaccg tttaaaaata 60  
 acatttttta ttatttcccc aggcccgatc cacagccctg aaacaaaagc attctgatac 120  
 acatttgtca gtgctggggg gtttggttgc catgactgcc tacacaggcg cgatgaacag 180  
 ccaccccggtg ttgg 194

<210> 8718  
 <211> 242  
 <212> DNA  
 <213> Homo sapiens

<400> 8718  
 tgggcaaact gactggtgat ggcaagagtg gtgtctatga agacggacta cacagcatgg 60  
 cacatacaat aaacactgcg agactctatg cgattacctg gctactacac acatttatac 120  
 ccaacataac ttcatgaatt gatgccacca tgtgcaataa actgcgccgt ctggtgctca 180  
 gaggaacacc aggcgctgca acctgcagct ctatcaggac gccagactc cgccattagg 240  
 gg 242

<210> 8719  
 <211> 466  
 <212> DNA  
 <213> Homo sapiens

<400> 8719  
 tgctatcaca aatattctac ttgtaactat tcaactgcat cgctgacata acatgggttg 60  
 acgattggga taatggcact aagcactagg tgtagatatg attatgacta taatacatgg 120  
 gtaaagggtg tgataataaa acaaactcta ccatactaga tacactgagt caatgtatat 180  
 ataattgtggg atacgataat gaactcacia ctaatatggc agggacacat atatgaaaca 240  
 caatatatcc tgtatttgcg atataagcat cattataaga tcataagtag attgtgcgaa 300  
 gaatcctatg tatgccggac tgttttatcc tgacccaacc catatgactt gtcccagtg 360  
 atccggggaga agagatatga atgacatgta gccggactga gcctacacag ttacaccccc 420

gatatgaagg gaacgaaaat acatcttatt gcataagctc cagcag 466

<210> 8720

<211> 450

<212> DNA

<213> Homo sapiens

<400> 8720

tttttttttt tttttttttt tttttttttt tttttttttt tttttttttt tttttttttt 60

tttttttttt tttttattta aaagttttat tataaaaaca cagggaataa aggggggaat 120

ccaggttttg ggaacagaaa aaaaaaaggg aaaggggacc ctcccatag gggacactta 180

tccttggggt aaactaaaaa aaaaaaggga aaaaacacca aaaacaaaaa aaaagaccaa 240

aaaaaaaata aatttaaaaa aaaaaacagg aacgggggga gggagaccgg ggtagggggg 300

aaaagggggc aagggaaaaa catcaaggct aggggggcct cccctgaaaa attgcgggct 360

tggggaagtc aaggtcgggt gcagggacaa acccgtgccc ggcccgcggy ggggagggga 420

ggggaagggg gggggggggc ggggtgaggg 450

<210> 8721

<211> 210

<212> DNA

<213> Homo sapiens

<400> 8721

tgcaaatgaa tgaaaatggt ttaaaataga cacaagacat gggccaacat acgttctact 60

gacgatgcag aggaactggg accctaccca gctggactgg gaatgggagg ggtgccgcca 120

tgctggaaag tggcgcggga gtggcttagg atgccaagta catccttacc atgacataca 180

ccaacgccac tgatgagatg tgcacgaagg 210

<210> 8722

<211> 354

<212> DNA

<213> Homo sapiens

<400> 8722

acaagctttt tttttttttt tttttttttt ttgtctcaca tttaattttt attttgattt 60

tttttaatgg tgcacaacac aatatttatt tcatttggtt cttttatttc attttatttg 120

tttggtgctg gtggtttatt tattttttact gaaagtgaga gggaactttt gggggctttt 180

ttcctttttc tgtaggccgg cttaagcttt ctaaatttgg aacatctaag caagctgaag 240

gggaaagggg ggttcgcaaa aacactcggg ggaagggaaa gggggctttg ttaatcatgc 300

cctatggggg gtgagtaact gggtggggcc tgccgggggg gcgggggggg gcgg 354

<210> 8723

<211> 162  
 <212> DNA  
 <213> Homo sapiens

<400> 8723  
 gttggccccg taggttacta gtctagtgtc ttcagtatgt aactactgtg acctcatgct 60  
 ggtcaagggt ctaagtttaa ctagcaacta tgtattccag taaaatcaga tgtaaagtat 120  
 actacttttg tactaggtac ctaagtaggt cactttcact tg 162

<210> 8724  
 <211> 354  
 <212> DNA  
 <213> Homo sapiens

<400> 8724  
 gctgcagtga catgagacag aacagcgcg agggcgccac aaaagcagcg gacaagaaag 60  
 ccgcaggagc aggcaaggcc accaagccag ccagaaaagc ccagaaggcc aaacgaacac 120  
 caccctaaac accagccacc ccacacacaa acagcggagg aagaacggtc tcagaaccgc 180  
 aagcatcaac cggccatata agaagagcag caaaagacag gacaacgaca acaacgcac 240  
 gcaaaacccc cagaaggaaa ggagaacgcc gcgaggacca ccccggaac cccactcgcg 300  
 tgcggcagca taaagccaca agtaaccaa accagtacgc tgccgggact gcaa 354

<210> 8725  
 <211> 578  
 <212> DNA  
 <213> Homo sapiens

<400> 8725  
 ctggtctttg tgtatggttt tgtgatgtaa cgatctttgc tggggttttt tgctttggtg 60  
 tgagggaaat gtcttgaggt aaatgttaag ttcttgaggt taatgtgttt tacaggaatt 120  
 ttgtttttta aaaaaatagg atcattctga actttggaat gacccctta tatatgatct 180  
 gaaaatgaaa acagttacat gaaaaaata tccaatgaag atgtcagcat tttatgaaaa 240  
 accaaaagtt attagatgaa agcagcgagt gaatctttta aacagacttg atcacgcaca 300  
 cacaataagt cttctctccc gaaaccggaa gtgaatctat atctggtaga aataatgtag 360  
 ccaaaagaat gtataattga ggattttttt gccaatagtt tatagaaaat atatgaacca 420  
 aagtgatatg agtttgtaaa aatgtaaaat agtatgaaca aaatttgac tctaccacat 480  
 ttgaacatct agtgaggggc acattcatat taaggtgtga acaatgtgtg tctttttgca 540  
 ctcatTTTTT acgtttttatt aaaagagcaa aaaacaaa 578

<210> 8726  
 <211> 498  
 <212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)..(498)

<223> n = A, C, T or G

<400> 8726

```

ctgatattgt gtagacgaaa agatgatctg caagatgata aagatctgga atatggccat      60
aaactgtaga anggtggtga agctgtcatt gctgatgatg ctgccgtcga gcacatgggt      120
gctgacgagc ccatatacta tgcaaccttg tgacactatg cagcttcgga tatgatacat      180
acacgtgatg tgagagacac aaaagcagtg gacgagatag cagcagggag acggcaaggc      240
tgccggatct ggccaggaca ccaagaatgc tcaaagaaca ttatacgcta tacgaatcac      300
atcactaata accaccggcg gaataacagt cacaggagtg agaactgcaa tagaacagtt      360
aggttcaata ggccaatata ggttaatgat aacaaagcgt cgtatgacca caatacagaa      420
aagaaaatgc ataatgaaac gataatgttt tgtggaccac gtgtggtagc tttaatgcat      480
gaggcagtaa tatcagat                                     498

```

<210> 8727

<211> 162

<212> DNA

<213> Homo sapiens

<400> 8727

```

aatgctcaac gcattacatt acatgaactc acccatgtga tggtagtaac tgttcttcat      60
cactaaaaca tggaagcgaa aaatgagtca gatgctgttt cgaggctcga acaccatccc      120
agcaatggta gccctgcctg caatcttcga ctttaatacc ca                          162

```

<210> 8728

<211> 258

<212> DNA

<213> Homo sapiens

<400> 8728

```

gtagagtagg acagagacaa gaaaaatata atgcacacac acattggatg gttgtacttg      60
caaactagct aataacacta gggaagaaca aaggatccaa aagcaggtgg agagcataaa      120
agaacacatg aatgggaagt cctgcaagag ctacatgaat atacgagatg actctataaa      180
agctgactaa tcattatgta tatgactgga atgatcaaca cacagaacta catgaaactc      240
atccattgta ggctgatc                                     258

```

<210> 8729

<211> 194

<212> DNA

<213> Homo sapiens

<400> 8729

```

atggatgtta attgaataat gatggtaaaa gggtagatta ttggttgat tttgattgat      60
gttataatga ggaggtttgt ggataggagt gaataaagtg attggatgag tgggcgaaat      120
attatgagtt gatgatggga tatatggagg atggggataa gtggagagga gaagatggga      180
aagtggaggg aaaa                                         194

```

<210> 8730

<211> 402

<212> DNA

<213> Homo sapiens

<400> 8730

```

gtgcaccgag acgcgcggag gcagaggctc ggggtgcgtgc aagacacaac tacaccggtg      60
gcaccaccga catgagccga agaaggcatc gtgactggac gtgtaaggga ggtaaact      120
gcgtccacaa gaggatgtga aaactgcact aaaacacaga tggcacgacc acgtgaaata      180
agatatgatg acggacactt atacaagcga caatggcaac tccgtgtact agcatcgaag      240
tgaggaagag acgtatgtat gaacaagaca gtgctggtag gacggactga gactgaacag      300
acactatcat actatctcca agggcgatga cgacaagaaa caggggagaat gagatatgac      360
ttagttaact ggacagaagg gggaaaacaa gtatatggctc gg                               402

```

<210> 8731

<211> 498

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)..(498)

<223> n = A, C, G or T

<400> 8731

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tacactaaat acaaagtgac aagggtgtct gtgtgctatg ctactacaa caaacccctc      60
acctaaaaaa caaatggaag aaaaagagaa acagctgcaa atagttaaaa gcactatagt      120
aacacataac aaaatgtgag agatgagaga atagaaagag tagaaaatat aactacttgc      180
tgtgaacctt tggtagttac gctctgtcag tctgtagcat acataccata ccatataaac      240
acagcacaag agtaagacaa caacacatgg tgaagctaga ctatgtgcag gatacatgat      300
gcgtgataac atctgcaaca tgagacaaac gtagaagaga actgaggcaa taaataaaag      360
tgatacctat agacggatac agtgatataa cgttgggaca ctgggtggaa gcgcggggata      420
ggagcgggtat gtgcatcact gctgagcaca ctaatatgaa tgtagtaaat ggaccacgtc      480

```

cagggtagat gactgnag

498

&lt;210&gt; 8732

&lt;211&gt; 178

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 8732

ctgtagttta agatgttaga caccagactc tcacgcttga tccaaacatc tttactcaac 60

cacacaacaa atgaggtaat atctgtgtgt aagtttcacc ttttgtcatt taccttctcc 120

tctcggtaaa aatgtaaaga aaaaagtgtat tatgcttctc cttgctccac tgtaaata 178

&lt;210&gt; 8733

&lt;211&gt; 210

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 8733

tgttatatta gtgatagata tctattatag attgtgaatc aaaattatga atcttcagat 60

tgatgtgggt gtcgtgaata tggttcagaa gatgtcgata agtagtagga ctgcaagttt 120

aggttactta tgctaggact gatgtttgtt tgaatatattg taagtgtctg gttattgaaa 180

gtgattgcct ttaatccaag acttatagt 210

&lt;210&gt; 8734

&lt;211&gt; 338

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 8734

aggtagttta tgaatatgcc agaaatatgt tacataagca attataagac gtgcaagtat 60

ggaatggatt acctcgtctc cgctcaaaaa cactgatctc tgaaggaaga tggatttata 120

tgtggatatg caagtctgat cataagggtc attgtgagat gatggggaac atgtaactta 180

gttatagagc taagaggagt tattgtgcag tgtggagtac tcaagctttc ttatctagat 240

gtactcagtc atctggctac ctcggtgcgt gaaccaatct aattattaat ggattagcgg 300

ccgtctggag gtcgatcata taggagaagt ccgtgcgc 338

&lt;210&gt; 8735

&lt;211&gt; 210

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

&lt;400&gt; 8735

ggcccgggg caagggtacct aattttggct ttcattggatt tacatttttt taagggggcg 60

tttaagggtga atttattgtt atttaataat gtcctggaga taactttggg gtataagatt 120

ccaattttta tgtaattacc tactattatt tttgtgttgt cgttttgcaa agaaagataa 180



tgattcctgg gggcttgggg aaatattaat 210

<210> 8736  
 <211> 258  
 <212> DNA  
 <213> Homo sapiens

<400> 8736  
 tacagctttt tttttttttt tttttttttt tggttttaag ttttattatt gaaaaaacia 60  
 aaattcaatg gtttattcat gtttttggca aaagaaaaaa acaggggacg ggggaccttc 120  
 ccctaaggga aaattattct ttgggttaaa ttatattaat tatgggaatt gaaacttatt 180  
 aaattaaccg ggaaattaaa aagaattaat taagaaaaag ggaaaggaac gggggggaag 240  
 gggctcttgat ttgtggga 258

<210> 8737  
 <211> 370  
 <212> DNA  
 <213> Homo sapiens

<400> 8737  
 gtatacgtgt attatttggt tttgttttgt tctgtgggaa tgaagaaata ttttagtaaa 60  
 gtgtggggag cgggatgatg ttcaatctca caacttttgg aaatgcttct tgggtgctgtc 120  
 agccgttggg gatctttatc ttattttaa gactgtatt gtgcagaggt ctgggtctcgc 180  
 gtgttgtagc cattatttat atctggatat ccctaagata ggtggacagg tgtgcgtgtg 240  
 gtggcggtcg ctctatctct gttgtggatt atacgtcggg tgcagatgag atatatgggt 300  
 gtgctcataa tgcgttgga gcataacatg agtattatat aatgtaaaca aaatagcttg 360  
 gggtcggtat 370

<210> 8738  
 <211> 386  
 <212> DNA  
 <213> Homo sapiens

<400> 8738  
 actgcacact gatctgtaac tcatcgcatg ttgttatttt gttttatctt cataccaggt 60  
 catattatct ttatgaacag actggtgtat ctactaaaaa atatatttat ttctgagagc 120  
 tatgtttttg gctgggagga gtgatatctc ttcatactta aatgttttat tatatgctta 180  
 attattgtat tctgggtggt tgggtgtatg tacttgctgc gaggtggtgc tgagatgtca 240  
 ctactgggtg cgccgctgca tgtcagtcga acatatggga gagcttgcaa gtcgtcgggt 300  
 ggatagctct actattctat agtgtgaata taatagctgt ctataatcgt ggtcttaatt 360  
 gtttgctggt gtgatattgt tttcct 386

<210> 8739  
 <211> 258  
 <212> DNA  
 <213> Homo sapiens

<400> 8739  
 tggcgcctcg ggtagtgatc catgagaaag ccatgtcagt tcgaacgata gatcgttaag 60  
 actcatgaga gaaactgacg agtttaaatct gaatctccta gttcttttga gatggagatg 120  
 aatcgtgaat acagctgaga tctagtagat attattaggt agcaaatgaa attgtagtgt 180  
 gtgggtggtg gaatgctata ataatctttg ttctccgtgt ctcagttgaa atctttacac 240  
 aaattataag gctgggtg 258

<210> 8740  
 <211> 386  
 <212> DNA  
 <213> Homo sapiens

<400> 8740  
 aggtaggagc attgtgccca ttatttctta tggtcgatag agggttcagg ggggtgctaata 60  
 acggtatata ccggccgat cttcatgatg gctaaggaaa gttatttgag gaatatcgag 120  
 catgaacgtg tgttttgttg gggagatact gtaccattga gtgtatttta ctgacgcggc 180  
 tgtgttctga tgaaagtggg tgggtattta cgtcttgga aagtgtttgt ctttcaatct 240  
 gatgtgttgc cagctcatat gtgagagggt ttgtgctatg tgttcattat cagaatgggg 300  
 gtttccatat gccatatctg acgtgggtggc ctgtctatat caatgaatgt gtcgcagctg 360  
 aatgacacgt tgaaaatatt ggagag 386

<210> 8741  
 <211> 386  
 <212> DNA  
 <213> Homo sapiens

<400> 8741  
 aaatgtttga tctgttattg aattgatctg tacagagtca tgatattttt ttgggtatgta 60  
 tgagtaacat gaatgcttct gtatgaaaca gttgttatat atactctaga tttatatact 120  
 aacattcttg tttggctatt tatgtgatat tgatgggtgtt atatattata gtattatgtg 180  
 ttcatccat aaattttatg aatataaatt cattgatttc tgtcttctat ggtgatgggtg 240  
 ggtgactagt gtttggatgg agtctaatat taaatgattg tagcgattga ttatgtatgg 300  
 aattaatatc tatctcatat aagacgcaaa aaaaacaagg aaagaataat accaaatgta 360  
 gtggaggaag agggagggaa cgaaag 386

<210> 8742  
 <211> 322  
 <212> DNA  
 <213> Homo sapiens

<400> 8742  
 gtacaagctt tttttttttt tttttttttt ttggttttaa atttttttat taaaaaaaaa 60  
 aaaattcaat ttttttatca atttttttgc aacatataaa aatcatggac gttgaaccat 120  
 cccaataggg aaatcttttc tttgggttaa attattttta ttatgggaaa tgatatttat 180  
 tacaataaca aggaatttaa aaaaatataa ttaaaaaaaaaa gggataggaa ttgggggaaag 240  
 gattctttat tttggaggaa ttgtgtctct tgtaaaagca tccgggttca ggcaaccttc 300  
 cttgaaaatt tcttgtttct aa 322

<210> 8743  
 <211> 386  
 <212> DNA  
 <213> Homo sapiens

<400> 8743  
 taggtatcgt gtgtggcgct gacgtcctcc tctgaagcat gggatctctg atttgctagg 60  
 tcctggttgc ttcagttgcc tgattagtct ccgaggccgt gttagcagtc agtagatgtc 120  
 cgtactagat cctgtgaggt agggtggtgg gtactgggag atgagtagat agagatgcca 180  
 gtaacatggt gtcttcctaa acaagagagg tcgggaggta tgtgtgtggg ggaagtgagg 240  
 agtgggtcca gaaatatgtc agagagctgg tgttgagtga ctgatgggta taaagatgta 300  
 ggtgtaagac tcagggtgtc agtggggagg agcacgagcc tgagctcgtg gggagcatga 360  
 cgtgatgac gtcgtaggag acgtta 386

<210> 8744  
 <211> 594  
 <212> DNA  
 <213> Homo sapiens

<400> 8744  
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 tatcatatat agataatttg aacatatgat ttactatcca ttgtgggttg atgtatagat 120  
 tgtcaactta tatttggaat gtaataagta tgtattcttc tgtaaatgct atgttctcct 180  
 ggtgttcac tgacacatgg aatttggtgc tgatgtgcca ttagagcggg gtctcatatt 240  
 gtccgcatat cttgatcgag gtagtgaatt ggatcgtatc ttttgattta taagtgttca 300  
 ttgtatgatt ctgtgagtta tacataccac ggatgggatg ttgcttatgt tggctgccta 360  
 tttgggtctgt gagattgagc gtttttatca catacatttg cctaatttgt cataatacaa 420  
 tggattagat gacacctctg tcgcgaacat tcttatctgt attgtattcg tggtggaactt 480

cacgtcgaat atgtgggaga tctcctatcg cgatgagatg tgtagcttga tgttgctata 540  
gcgggtcccta aatggctcga cgatcatcatt atcatgggtg tttccagggt gtag 594

<210> 8745  
<211> 514  
<212> DNA  
<213> Homo sapiens

<400> 8745  
gcaggtaactg attatggagt caatgaatat atggaagggt cattcatgat atatgatgta 60  
ggatgggatg ttttcatatg gatcaacgta gaatcattca agttatgtat ggtatgctgt 120  
gtatacaatg gctcatatag tgagatgata tctataaatg tatatgctga ataataattac 180  
tttatgtttt tatgtacatt gtttgattag gtgaaataag tacataacgc atgggatctt 240  
gcgtaggtcg gctgtctaga tggactctga cataaagtct tgttttcgga tagcatagat 300  
tgattagtgg catctaatag gattatctga gacagtcagg ggatatagga ttcataaatc 360  
atacttgat ctagtcatat gcatgcttat ctacacaaaa gtagatatta tatatactta 420  
tctgattgat gagatctctc atatctctcc catatttatt atgttggtata tcaatttatg 480  
gatttttatc tggaatttga agatagcacg ttcg 514

<210> 8746  
<211> 306  
<212> DNA  
<213> Homo sapiens

<400> 8746  
agtgattatg gaaacatgaa gctattttaag ggtttattac ccctaaagga atggaaaagta 60  
atctataata tggataaaaag acattttatta aaaaaataa ttgttgctg tgtatagaaa 120  
agcagcttac aatgaatatg ttatcaataa atatctatgc ttagaaagtg caaccttctt 180  
ggctttataa acaaaaagtg ggcattgggt atcctttgat aacttacggc caggggggtt 240  
attaggaaat ccacccatc atgatggaag tttggcggcc ccattctccg ttatgggttaa 300  
aaaaaa 306

<210> 8747  
<211> 430  
<212> DNA  
<213> Homo sapiens

<400> 8747  
aggagttcat cagcgtcag tctgtggtgt ttgtggccat tgccttcac accatgatga 60  
ttatctcgtt agcctggcta atattttact atatacagcg ttctctatat actggctctc 120  
agattggaag tcagagccat agaaaagaaa ctaagaaagt tattggccag cttctacttc 180

atactgtaaa gcatggagaa aaggggaattg atgttgatgc tgaaaattgt gcagtgtgta 240  
 ttgaaaattt caaagtaaag gatattatta gaattctgcc aatgcagcat atttttcata 300  
 gaatatgcat tgacccatgg cttgtggatc accgaacatg tccaatgtgt aaacttgatg 360  
 tcatcaaagc ctaggatat gggggagagc ctggggatgt acctcggccg gcgacacgct 420  
 aatgactagt 430

<210> 8748  
 <211> 178  
 <212> DNA  
 <213> Homo sapiens

<400> 8748  
 cagtcagttt acgagtgttt ctagattagg ttgtataatt tatgatggat tggcagaggt 60  
 gcatacatta aatgtaactt gttttttgtc ctctccatt atacataatg gagtgatgat 120  
 atactgaatg tgtgggaaga ataatgaaag agattgaatt tctacatcta gtgcatca 178

<210> 8749  
 <211> 194  
 <212> DNA  
 <213> Homo sapiens

<400> 8749  
 tactaataat ggtgttggct tagctatgat ggattcaaca tgaaaaatgt gaagctgtga 60  
 taggtcattg taatgtaaaa tttgttaaga caacaacatc agtttttggg cggatatgat 120  
 atttattgtg taaatttgcg gatggaggac aggaccagag acagaatcag caatatacat 180  
 gctatagggga agga 194

<210> 8750  
 <211> 402  
 <212> DNA  
 <213> Homo sapiens

<400> 8750  
 aggtgcatgc tggatgatag gatgaatttg aatgaatggt atctcctgag aatgggcaga 60  
 cactagaaca tgaccttctg gacttacaga ctggcgatgt gaatacaaaa taatgtgtcg 120  
 agatgtgatc gacaatggta ttccactgag gggactaca gtcagacaag atatgacgaa 180  
 gatgtgtgag ggagtgggga ggaagatgag aaagtagtgg tattatccga acacagtaga 240  
 attggtgcaa tttgctgata tgaaatggtg gatacatgct agattcaagt gtgatgagaa 300  
 ttggtactag ggatggaaaag tcaactgctaa gattgcaagt gagtgagagt ggtgagccag 360  
 atgctctgga ctgcgtcata acatggactt gtgcaaatga ta 402

<210> 8751  
 <211> 162  
 <212> DNA  
 <213> Homo sapiens

<400> 8751  
 cagaattata taataactaat gcgtatgtga tgtgagacgg tagctgctgt cagacggcat 60  
 cactgtgaat tcagatgcaa agaggaactg ttgatottga tgccataacc tctgatcaga 120  
 atcttgacat actgtcatga gacactatag ggtacgttat ca 162

<210> 8752  
 <211> 194  
 <212> DNA  
 <213> Homo sapiens

<400> 8752  
 agataactat ggggttaaaag agagagtggg ttttttatac atgattggat acagtgggat 60  
 tgaccatcag ctgactagga gataatataa caggctgttg aaagtgattg ttttttgaag 120  
 atagaggata tgagattttc tgctgatctt ataatgggtg gatgtctgat atcttgtgtt 180  
 cgctgttatt gtta 194

<210> 8753  
 <211> 162  
 <212> DNA  
 <213> Homo sapiens

<400> 8753  
 acacactgcc actggctttt gctgtccacg gccatgacag accgacgcag cgagctttct 60  
 ctcaaaagca atgcttaa at tttattcata atatactgac tgcaacaaca tcatgaaaat 120  
 acaaaaaaaaaa aaaaaaaaaa gacttgtaca tgaacagagg cg 162

<210> 8754  
 <211> 466  
 <212> DNA  
 <213> Homo sapiens

<400> 8754  
 ggtcatacaa agagggcact acaccagctt cttggcctca aagaagctct tgaggtgacg 60  
 catctgccag atgccagtga ggatgaggat gacagtctga gcaatggacc accataggta 120  
 cctctgggtg gtgctctcgc tcgtcagtcg gaagcgctct tcacgatacc tttggtaatc 180  
 ctgctccttc tgaatctgtt ccacctgac aagcaactgg cgggagcgga gctgtagctc 240  
 cgacagatta tcttttgaag aaatctcagg gtagtagtag gaatgctccc caaactggat 300  
 gtagagatga caccgaagtt tgacaacaga gaagagagcc atcctgatag aataggagtg 360  
 aagacagata tgatggtcac cgggagtggt ggaggtgaaa gtgaagagga actcagagca 420

gataatgacc gggaggaaga acgaaataaa tagagaataa gaagac

466

<210> 8755

<211> 496

<212> DNA

<213> Homo sapiens

<400> 8755

gagtgagcct cctcaccctt ctctgctctg ctgatggggg cttttggaca gcaaggcata 60  
 gagcagaaaa cgtgaacact gctacccttg gtgaaaaact gtgtgacctt gagcaagtcg 120  
 gtctcgctca gtctctttcc tcagctgggg ataaaaattcc tacttcacag gactgtaaag 180  
 attaagcaag gcaagggata tgaaagtgtg tagcacataa taggggaaca atatatcctg 240  
 tatctgagta tggataggag tgtggagatc atccagggtg agaggagaa gagtggatta 300  
 aagacagtca gtgggattaa gtgtctaccc tgacctgtct tctctacatt tccttttcat 360  
 cttgaaagaa gttggagggtg gcaaaaatat taagaagggtg gatcagaatg acttggggac 420  
 tgaaatttgt gagggaagag acaggctgtg caccttctag aatggattta tctcttttat 480  
 gactaccaag aaggga 496

<210> 8756

<211> 258

<212> DNA

<213> Homo sapiens

<400> 8756

cataggtgct tactatactg ttttgtttct gaatttggaa tttctcaaaa ttaaaaaaat 60  
 atctactgag gagcttttctg ttttaactgg tggggaatgg gttctgggtg gttttgcccc 120  
 ttgttttttt agattcaaga aatccatggt gaaagggttg gtattctatg aagaatagga 180  
 ggataaagtg atcaaggaga tggcagctca gatgcgcgag gtggagcaga gccgacagga 240  
 agtgggcgtg tccgctct 258

<210> 8757

<211> 551

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (1)..(551)

<223> n = A, C, T or G

<400> 8757

aggtacacat tgccatgaga tggcactttc tgaggatact cactaaaact gagtttcttc 60  
 attagaaaaa tctcactttt tatcatcatc tcagtgcctg gtattgggtgc ccttangtct 120

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gtgaacagca ttgcgttatg ccagtaaatg aatacttaaa tcaataattg cattctcagc   180
agtcctctta gtctttgttt gtttgtttgt ttttcacagt tgaattgcaa tgtagctgtt   240
tggcagagggc attaacatth ttgccctaac cctggcctgg tgcctangct caggggagta   300
aaattagagc caggagccag ngagctgagg agaccactta aaaggcatgc tagcatttga   360
taagtaaggg gttactttgt gaggaaaaga aactttatat gctttaagca agcctcttta   420
tgaggaagaa aaggtcagct actgaagcgg ggtcccaact actgctgggt ctgtagagga   480
gagagacacc cccaaaatcc agatgtttta gttacaatc agacacagac ttgtctctgg   540
tttcttacag g                                                    551

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<210> 8758
<211> 466
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)..(466)
<223> n = A, C, T or G

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<400> 8758
cgggncagnn tacatggntg nantggagnc ctncctcca cccctctctg gctctgnctg   60
nnatgggggn cttttggnac agccaaggnc ataggancag gaaaacgtga aactgctac   120
ccctggtgaa aaactgtgtg accttgagca agtcggtctc gctcagctc tttcctcagc   180
tggggataaa attcctactt cacaggactg taaagattaa gcaaggcaag ggatatgaaa   240
gtgcttagca cataataggg gaacaatata tcctgtatct gagtatggat aggagtgggg   300
agaatatcca gggtgagagg gagaaaaatg gattaaagga caagcagggg gattaaatgt   360
ttaacctgac ctggtgtgtg tatatthtgt tttgaattag aaagaaattg gtggtgggaa   420
aaatattagg aagggtgaac agaaagacat gggggcaggc atatgt                466

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<210> 8759
<211> 450
<212> DNA
<213> Homo sapiens

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<400> 8759
tgatttctaa agtaagcctc agaatttcca aaccaattca tccacagctg tttctgggct   60
ggttttaaag tagctgctac agaatcatga ggctttccct ttttatcaaa tacgaaaaac   120
atthtttaaa ttctgcacac ccagtgatca tctthtgtgc gggaaagcaa gatgatgatg   180
gatgatttth ttcatcctth tagtaaagac acaaaacatt tttctcaaca tttgtacagt   240
tctgaaaaaa acctggtcac caaaaatatc ttctctgcta attcagcaat tcttgggctc   300

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cagttagggg agctgggggc tcactttctc ccaggattgt gggcttctct ggaagtgaag 360  
 ggtgaggaat gagtgggggtg tcgagcccag ccctggctgc ctgtgggttt gggggagggg 420  
 gcgagggatg aggtgccctg gcagatggca 450

<210> 8760  
 <211> 530  
 <212> DNA  
 <213> Homo sapiens

<400> 8760  
 gcagcttccc cgagctgatg ccattcgttc acgtctcatc gatactttct ctctcatcga 60  
 gcatttgcaa ggcttgagcc aagctgtgct gcgacacact atcaggagtt acttgatcct 120  
 tcccgccaga agaaacttat gttgggagat caacaccagc tagtgggcgt ctctataaag 180  
 cctcaacgta tagaacagat ttcacatgcc cagaggctgt tgagcaggct tcatgtgcgc 240  
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 tgtcactcat ttttatcctg gctgttgatc atctgcctaa tgaattattt tttgcttccc 360  
 aaactccatt gtctcattct caatgcttat gttattgctc ttattatttc cgctgcataa 420  
 atcagaaaaga actcaaaaaa aaaaaaaaaa aaaaaattgg ggggcggaag cttattccct 480  
 ttagtgaagg ttaattaaag cttgggactg gccggagggtg tacaaagtcg 530

<210> 8761  
 <211> 690  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)..(690)  
 <223> n = A, C, T or G

<400> 8761  
 taagcgtgtc cagaattggt gggcttcact gacttcaaga atgaagccgc ggaccctcct 60  
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 agacacaggg taagagcaaa gacaatgtgg ctgtggccga tgtccacctc ctcggggcgt 180  
 cccttctctt ctctcctcct tgagcaggga gaccatcggg gtgcaacctg gttggggcgg 240  
 ggaggagggtg cagggcctgg ccagagcggg cctggccacg ggcaagggac agcgaccccc 300  
 gggccaggac aggtgagagc ggcgcaggcc cgggcccggc gtggcgaggg tgcgcgtgag 360  
 cggnacagcag agggcgccag agagccagga gcggcccgca gaggagcccg cgccggcccc 420  
 ggtgccacc tccgcgcgc gcggaccctc cgagcccgcg ctccagacgc ccagctccgc 480

cgagagggcg cttgcgccgg gtccttctcc cccaaatgca ggagagccc ccggagccat 540  
 gggcaggcct tccggcagct ccaaagccac tggcaagccc cgaaggcagg atggccggcc 600  
 caggagggag gaggacgacg tcccctcccg aagagaagaa gctgcggctc ttgctggtag 660  
 gggggaagcg cacagcccca ggaactggaa 690

<210> 8762  
 <211> 418  
 <212> DNA  
 <213> Homo sapiens

<400> 8762  
 atagattttc aaaatgtcta aaaagtgcag tttgaattgt tacatgttaa tacacagttg 60  
 ctttattcag atgtgtttgt gttgacggac taacagtgcc ttctggatct gtgcaaataa 120  
 tggtagccct ccctgcaaag aaaaaagag tcattaaagc actacaatat tacacataaa 180  
 ctgatccatc taggtcagct ttagtcagga ccggagaatc agcaaacata agaaaaacaa 240  
 aacctaggaa tacatacaaa agctctcatg gggtagctaga accctcttag actggtgatg 300  
 tatgtggagg gcattaagag ctggaaaggc gtatatgggt aactaccgtt aactatattc 360  
 tacagcaagg gctggggggg cagaacaagg tgaagggtggg tggttattag ggttggga 418

<210> 8763  
 <211> 632  
 <212> DNA  
 <213> Homo sapiens

<400> 8763  
 aatgaatgaa aataaagttt tacctcccaa gtcaatttca cataattcta attcctttta 60  
 actagagaat atcttgttta gaaggatcat taagctaggc caaggtaaaa aacaggttat 120  
 aagacaaatg catatgaaat ctacaactta taaggaaaga aaataccaaa ttagttctat 180  
 cagtcctcta aactacagaa gaacattatt ttacctagt gtgcatgtac acacacacac 240  
 acacacacac acacaaatat ttaatgcttt taagtacatt tttaaaaaaa atctaaacaa 300  
 tactttgact agtcttttcc tctaatatt atatatagac tgaagttttt gaaaataaaa 360  
 gtagctgagc caatgaaatg ctttagcatt gtatttttac catcaagcac tgttttagcag 420  
 gctgtatttc ccacttttct tcattgatat caggagcaag cactagaaat atagaaaata 480  
 aatataaaat aatcacaagt tcttaacctt atttttttca gtctttatca gcttcacgta 540  
 gagagctgct cactgtgtta tagcactttt taagttgcaa agccttgtca tatacattat 600  
 aatttgatt cctctaagca agtcaagggg cg 632

<210> 8764  
 <211> 450

<212> DNA  
 <213> Homo sapiens

<400> 8764  
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 ggaaccaagg agacgctcct ggcactgcag ataacttgct tgcatttcaa gaacaaacta 120  
 ccagagacct tacctgttca cttggctctc ccaaccaatg gagatggctc caatgggtggc 180  
 acaaaccagg gaagggaaat ctgaggttta attcctttat gcctcattct ctgagtgctg 240  
 aaggcttgct gtaggcctgt atgcctgtta aatgctaaat tgtgataggg gtttttgcct 300  
 tccaatgaac tcccacatat ttacatttta ccagtgtatg atgccctggt actagcattg 360  
 acatgggaac aaaattgctg ccggggggag gatgaacaaa gaaagtcatg aagttacccc 420  
 ttgtctggga taaaactata gtactttcaa 450

<210> 8765  
 <211> 562  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1)..(562)  
 <223> n = A, C, T or G

<400> 8765  
 ggggtaccat ttacacacc tccgncggtg gnaaatcctt gnaaagnaaa gcagcaccag 60  
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 ccagcctcgc atgcacttct gacaacacac ctgtccatca cagacactgc cagctgctct 180  
 gtgtgtatcc atgtgtgtga gccagtgggtg ctggcgggca gcggaacgat cgtccgtgat 240  
 gctagaccga acatgcacgg gcacgcatct cctggcgtgt gagtggaggc tgtcagaggg 300  
 gcggacggga gtgagggcat gtgtctgcat gggactgata gggacagaga aacagtggca 360  
 gacttgggcg atacatagct caccagacaa acatgcaccg tcagatagat agagggtaga 420  
 aagatcaggg agaagagaga gccagcaaa catgcacacc angcagtggc gggagaggca 480  
 cgctcactac ataggaagaa tgaacagacg gcacacgcac gcagggcatg gactgcagca 540  
 catctaacca accatgccta ga 562

<210> 8766  
 <211> 594  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature

<222> (1) .. (594)  
 <223> n = A, C, G or T

<400> 8766  
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 aaatctcact ttttatcatc atctcagtgc ctggtattgg tgccttang tctgtgaaca 120  
 gcattgcggt atgccagtaa atgaatactt aaatcaataa ttgcattctc agcagtcctc 180  
 ttagtctttg tttgtttggt tgtttttcac agttgaattg caatgtagct gtttggcaga 240  
 ggcattaaca tttttgccct aaccctggcc tgggtgcctan gctcnagggg gtaaaattag 300  
 agccaggagc caggangctg aggagaccac ttaaaaggca tgctagcatt tgataagtaa 360  
 ggggttactt tgtgaggaaa agaaactttt atatgcttta ngcaagcctc tttatganga 420  
 agaaaaagtc agctactgaa cgggggtccca actactgctg ggtttgtaga ggagagagac 480  
 acccccataa tccagagggt cagttaacaa tcagacacag acttgtctct ggtttcttac 540  
 agggtgacag cagtattcgc tattttgaga tcaccgatga aaaccccggc accc 594

<210> 8767  
 <211> 754  
 <212> DNA  
 <213> Homo sapiens

<220>  
 <221> misc\_feature  
 <222> (1) .. (754)  
 <223> n = A , C, T or G

<400> 8767  
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 tgaagaatag tagtgtagct aagcacggtg tgtggacagt gggacatctg ccacctgcag 120  
 taggtctctg cactcccaaa agcaaattac attggcttga acttcagtat gcccggttcc 180  
 accctccaga aacttttgtg ttctttgtat agaatttagg aacttctgag ggccacaaat 240  
 acacacatta aaaaaggtag aatttttgaa gataagattc ttctaaaaaa gcttcccaat 300  
 gcttgagtag aaagtatcag tagaggtatc aagggaggag agactaggtg accactaaac 360  
 tccttcagac tcttaaaatt acgattcttt tctcaaaggg gaagaacgtc agtgcagcga 420  
 tcccttcacc tttagctaaa gaattggact gtgctgctca aaataaagat cagttggagg 480  
 tangatgtcc aagactgaag gtaaaggact agtgcaaact gaaagtgatg gggaaacaga 540  
 cctacgtatg gaagccatgt agtgttcttc acaggctgct gttgactgaa attcctatcc 600  
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Gln His Phe Phe Glu Tyr Leu Leu Val Val Ser Leu Lys Lys Lys Arg  
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&lt;210&gt; 8828

&lt;211&gt; 5252

&lt;212&gt; DNA

&lt;213&gt; Homo sapiens

<220>  
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 <223> Masked repetitive sequence from Repeat Masker

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 <212> DNA  
 <213> Homo sapiens

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 agagaaggaa tattgggtta caatctgaat ttctctttat gatttctctt aaagtataga 180  
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 aatacagcag cthtaattat tggagaacat caaagtaatt aggtgccgaa aaacattgth 780  
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<210> 8830  
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 <222> (94)..(121)  
 <223> Masked repetitive sequence

<220>  
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 <222> (569)..(604)  
 <223> Masked repetitive sequence

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```

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<212> DNA
<213> Artificial Sequence

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<220>
<223> T7T24 Primer

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<212> DNA
<213> Homo sapiens

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<223> n = A, C, G or T

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<220>
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<220>
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<223> n = A, C, G or T

<220>

<221> misc\_feature

<222> (761)..(761)

<223> n = A, C, G or T

<400> 8832

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ccaatttcct atcattgtga ctatcaaatt aaaccacagg caggaagttg ccttgaaaac	180
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